

UMASS/AMHERST



312066 0281 5563 8



Digitized by the Internet Archive
in 2014

<https://archive.org/details/healthdataannual41mass>

COMMONWEALTH OF MASSACHUSETTS

HEALTH DATA ANNUAL

1977

GOVERNMENT DOCUMENTS
COLLECTION

University of Massachusetts
Depository Copy

"Statistics may be defined 'the science or art of applying facts to the elucidation and demonstration of truth.' It is the basis of social and political economy, and the only sure ground on which the truth or falsehood of theories can be brought to the test. Mere columns of figures may or may not be statistics. They form, in any case, a small part only of the illustration. Combination and deduction are required to give them full effect. We belong to that class of statisticians who have no particular fondness for figures, though we have a great fondness for facts."

Lemuel Shattuck


Report of the Massachusetts Sanitary Commission, 1850

U OF MASSACHUSETTS LIBRARY

Department of Public Health
Jonathan E. Fielding, M.D. -
Commissioner



Office of State Health Planning
Division of Health Statistics
Volume 4, Number 1



I take pleasure in presenting the fourth edition of the Massachusetts Health Data Annual. Previous editions of the Health Data Annual have found wide acceptance in the medical and health care community and have served as a basis for planning at the institutional, regional and state levels. This edition maintains consistency of format with previous years and adds information that has been developed in response to user recommendations and upon expansion of the available data base. The Data Annual is also designed to assist the Health Systems Agencies and the Office of State Health Planning staff in the second cycle of plans in response to the National Health Plan and Resource Development Act (P.L. 93-641). I call your attention in particular to the new section on "preventive medicine" that brings together data from many of the Department of Public Health programs and highlights some of the areas into which this department is allocating resources.

The Department welcomes and solicits comments and suggestions from all users. If there are specific needs please contact the Director, Division of Health Statistics, Office of State Health Planning, Department of Public Health, 80 Boylston Street, Room 335, Boston, MA 02116. The data base used in the creation of this document is drawn not only from department files but also from that of other government agencies and providers. This is done with the expressed goal of consolidating in one place sufficient information and thus preventing needless burden upon respondent agencies.

Many members of the Department's staff have labored long hours to produce a timely, useful, and comprehensive document. I would also acknowledge the thousands of health facilities and licensed health professionals across the Commonwealth who provide the information reported in this publication. Without such cooperation this document would never have been produced.

I would specifically like to thank Blue Cross of Massachusetts, which has again borne the publication cost both as a public service and as a reflection of their interest in health planning.

Finally, I would like to acknowledge the significant support provided under contracts from the Cooperative Health Statistics System of the National Center for Health Statistics, Department of Health Education and Welfare. Funds from this program have provided a crucial underpinning for the Department's data collection and processing activities.

Jonathan E. Fielding, M.D., M.P.H.
Commissioner

MASSACHUSETTS HEALTH HIGHLIGHTS — 1976

Population and Vital Statistics

- There were 65,947 resident births for Massachusetts in 1976, of which 6.6% were low-weight babies of 2500 grams or less. There were 53,980 resident deaths, of which 1.5% were infant deaths.
- The neonatal death rate decreased again in 1976 to 8.9 per 1000 live births, down from 10.0 in 1975.
- The three leading causes of death for Massachusetts residents as a whole in 1976 were ischemic heart disease, malignant neoplasms, and cerebrovascular disease. However, the leading cause of death varied by age group. For infants the leading cause of death was perinatal mortality; for ages 1-9 it was accidents other than motor vehicle; and for ages 10-29 it was motor vehicle accidents. Malignant neoplasms were the leading cause of death for ages 30-59, while ischemic heart disease was the most frequent cause of death for those 60 and older.

Health Manpower

- The largest single group of health professionals licensed in Massachusetts in 1976 was Registered Nurses (78,197), followed by Licensed Practical Nurses (25,612), Physicians (12,503), and Pharmacists (6,839).
- Dental Hygienists have the youngest median age (29) of all licensed health professions in the Commonwealth, while Podiatrists as a group have the oldest median age (59).
- Registered Nurses vary the most widely in number per 100,000 population between the 26 Health Service Subareas — from a low of 389 to a high of 1278 per 100,000 population. Other health professions with large numerical differences in rates for subarea populations were physicians, dentists, and psychologists.

Hospitals

- In fiscal 1976 there were 194 hospitals in Massachusetts — 130 acute hospitals, 33 chronic and rehabilitation hospitals, and 31 psychiatric hospitals.
- Looking at Massachusetts acute hospitals by bed size, the largest category of facilities (30.8%) is hospitals with 100-199 beds. When total number of beds provided by each category is considered, the largest category (25.0%) is the 200-299 bed hospitals.
- The state-wide occupancy rate in acute hospitals is 79%, ranging from a high of 84.6% in the 400-499 bed hospitals to a low of 51.7% in the 25-49 bed hospitals.
- The state-wide occupancy rate in chronic and rehabilitation hospitals is 81.4%, with 11.0 beds per 1,000 population age 65 and over, and an average length of stay of 159.1 days.

Ambulatory Care Facilities

- Organized outpatient departments are found in 52.7% of all Massachusetts hospitals. In 1976, visits to these departments totalled 1928.75 for each 1,000 population. Visits to freestanding clinics were made at a rate of 832.77 per 1,000 population.
- Visits to all types of outpatient facilities, both organized and unorganized, totalled 16,061,466. Visits to hospital emergency services comprised an additional 2,964,056 visits.
- Although utilization of hospital emergency services has increased over the past three years, the proportion of actual emergency visits has decreased. The proportion of non-urgent visits varies widely among HSA subareas, from a low of 14.1% to a high of 63.9%, which implies that some emergency rooms are being used as clinics.
- The highest utilization rate for clinic services occurs in mental health or counseling services, followed by pediatrics and obstetrics. The highest utilization for hospital outpatient departments occurs in radiology/laboratory services, followed by mental health or counseling.
- The single most numerous personnel category in freestanding clinics, measured in terms of full-time equivalents, is that of social worker, which accounts for 12.7% of the clinic labor force.

Induced Abortions

- Freestanding clinics account for 76% of all reported induced abortions in Massachusetts, followed by 17% for hospital inpatient facilities and 7% for hospital outpatient departments.
- There was a rise in the number of induced abortions from 16,557 in the first six months of 1976 to 17,264 in the same time span in 1977.
- Looking at the age of patients, 33.9% of all induced abortions are performed on women 20-24, 30.8% on women under 20, and 16.9% on women 25-29.
- There has been an overall decrease in the time of gestation at which induced abortions are performed. Induced abortions performed at less than 8 weeks of gestation increased from 47.2% to 53.4% of the total from 1976 to 1977.

Nursing and Rest Homes

- The number of licensed beds in nursing homes in 1976 was 50,841, a number which has remained fairly constant since 1973 while the number of facilities has declined.
- Two out of three patients in nursing and rest homes have been admitted from acute hospitals.
- Of all patients discharged from nursing and rest homes in 1976, 38.9% were discharged to acute hospitals, 25.9% died, and 22.7% were discharged to private homes.
- The majority (62.2%) of nursing and rest home patients had their fees paid by Medicaid. Another 25.1% paid their fees with private funds.

Residential Care Facilities

- The largest growth in residential care facilities from 1974 to 1976 occurred in the group homes or residences category, which increased from 87 to 134 facilities. Residential schools or treatment centers decreased from 112 to 96 facilities in the same time period.
- The largest number of residential care beds (6712) are provided by the state-owned facilities, but the largest number of facilities (265) are owned by non-profit corporations.
- All residential care facilities provide or can arrange for general medical services and psychological and psychiatric therapy. Most also provide general schooling (92%), special individual education (89%), and family counseling (86%).
- Slightly more than 1 out of 2 patients in residential care facilities is mentally retarded; 1 out of 3 suffers from learning disabilities; and 1 out of 4 is emotionally disturbed.

Home Health Agencies

- There were 179 active Home Agencies in Massachusetts in 1976, of which 155 were officially certified to receive reimbursement for services provided to Medicare and Medicaid-eligible patients.
- The three types of home health clinics showing the highest utilization rates are well-elderly, flu immunization, and hypertension clinics.
- The two largest manpower categories employed by home health agencies are registered nurses and home health aides, but the proportion varies considerably by HSA. In HSA III health aides are 48.2% of the full-time equivalent personnel as compared to 27.5% for registered nurses. But in HSA VI the registered nurses make up 47.1% of the FTE personnel as against 17.4% for the health aides.

Health Finance

- In fiscal year 1976, estimated expenditures on health care in Massachusetts amounted to \$4.9 billion. This represented \$845 per capita for each resident of the Commonwealth — 30% above the national average.
- Health care is also an income source for Massachusetts, amounting to 11% of the gross state product. Nationally, health care is 8.6% of the gross national product.
- Health services and supplies made up 93.7% of total health expenditures in fiscal year 1976. The public sector paid 39.2% of service and supply costs, and the private sector financed the remaining 60.8%.

Preventive Medicine

- There were 809 fatal and 76,897 non-fatal automobile injuries in the Commonwealth in 1976.
- Of 86,496 Massachusetts children under six years of age who were tested in the first six months of 1976, 11,164 (12.9%) had dangerously elevated blood lead levels.
- There has been a steady rise in the death rate due to smoking-related diseases since 1940, especially in the rates for emphysema and cancer of the respiratory system. Smoking-related conditions accounted for the greatest number of hospital discharges in Massachusetts in 1976 among those conditions which are to a certain degree preventable.
- In 1976 nutritional deficiency conditions were the major cause of hospitalizations and deaths which should have been completely preventable. There were an estimated 1246 hospitalizations for iron deficiency anemias and an actual 42 deaths for avitaminoses and other nutritional deficiencies.

TABLE OF CONTENTS

PREFACE.....	i
MASSACHUSETTS HEALTH HIGHLIGHTS — 1976	ii-iv
TABLE OF CONTENTS.....	v-x
POPULATION AND VITAL STATISTICS	1-20
HEALTH MANPOWER	21-60
HOSPITALS.....	63-96
AMBULATORY CARE FACILITIES (OUTPATIENT CLINICS)	97-125
INDUCED ABORTIONS	127-143
NURSING AND REST HOMES	145-185
RESIDENTIAL CARE FACILITIES	187-220
HOME HEALTH AGENCIES.....	221-236
HEALTH FINANCING	237-251
PREVENTIVE MEDICINE	253-289
GLOSSARY	291 301
ACKNOWLEDGEMENTS	302

INDEX OF TABLES

Table #	Page #
POPULATION AND VITAL STATISTICS	
1 MASSACHUSETTS CITIES AND TOWNS: POPULATION, ECONOMIC STATUS AND NUMBER OF HEALTH FACILITIES.....	1
2 ESTIMATED AGE DISTRIBUTION OF MASSACHUSETTS POPULATION BY HEALTH SERVICE AREA SUBAREAS — 1975	10
3 RESIDENT BIRTHS AND DEATHS BY HSA AND SUBAREA — 1976	17
4 RANK ORDER OF LEADING CAUSES OF DEATH BY AGE GROUP, MASSACHUSETTS RESIDENTS — 1976.....	18
HEALTH MANPOWER	
5 PROFILE OF CHIROPRACTORS.....	24
6 PROFILE OF DENTAL HYGIENISTS	25
7 PROFILE OF DENTISTS.....	26
8 PROFILE OF NURSING HOME ADMINISTRATORS	27
9 PROFILE OF OPTOMETRISTS	28
10 PROFILE OF PHARMACISTS	29
11 PROFILE OF PHYSICAL THERAPISTS	30
12 PROFILE OF PHYSICIANS.....	31
13 PROFILE OF PHYSICIAN ASSISTANTS.....	32
14 PROFILE OF PODIATRISTS.....	33
15 PROFILE OF PSYCHOLOGISTS	34
16 PROFILE OF REGISTERED NURSES	35
17 PROFILE OF VETERINARIANS.....	39
18 HEALTH PROFESSIONALS LICENSED IN MASSACHUSETTS — 1976.....	40
19 SEX AND AGE DISTRIBUTION OF HEALTH PROFESSIONALS ACTIVELY PRACTICING IN MASSACHUSETTS — 1976	41
20 HIGHEST LEVEL OF EDUCATION OF LICENSED HEALTH PROFESSIONALS — 1976.....	42
21 MEDIAN HOURS WORKED PER WEEK AND MEDIAN HOURS WORKED IN DIRECT PATIENT CARE BY AGE AND HEALTH PROFESSION	43
22 DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS BY HEALTH SERVICE AREA AND SUBAREA OF PRACTICE.....	44

23 DISTRIBUTION OF ACTIVE LICENSED HEALTH PROFESSIONALS BY TYPE OF EMPLOYER (NOT INCLUDING FEDERAL EMPLOYEES)	45
24 DISTRIBUTION OF ACTIVE LICENSED HEALTH PROFESSIONALS BY PRINCIPAL WORK SETTING (NOT INCLUDING FEDERAL EMPLOYEES)	46
25 PHYSICIANS ACTIVE IN PRIMARY CARE — PRINCIPAL SETTING BY HEALTH SERVICE AREA, EXCLUDING PEDIATRICIANS AND OBSTETRICIANS AND GYNECOLOGISTS	47
26 ACTIVE PEDIATRICIANS — PRINCIPAL SETTING BY HEALTH SERVICE AREA	48
27 ACTIVE OBSTETRICIANS AND GYNECOLOGISTS — PRINCIPAL SETTING BY HEALTH SERVICE AREA	49
28 DISTRIBUTION OF ESTIMATED ACTIVE HEALTH PROFESSIONALS IN MASSACHUSETTS BY HEALTH SERVICE AREA AND SUBAREA OF PRACTICE (ADJUSTED FOR NON—REPORTING ACTIVITY)	50
29 NUMBER OF ESTIMATED ACTIVE HEALTH PROFESSIONALS IN MASSACHUSETTS PER 100,000 POPULATION BY HEALTH SERVICE AREA AND SUBAREA	51
30 DENSITY RANK ORDER OF HEALTH SERVICE SUBAREAS FOR SELECTED HEALTH PROFESSIONS (BASED ON NUMBER OF ESTIMATED ACTIVE HEALTH PROFESSIONALS PER 100,000 SUBAREA POPULATION)	52
31 DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS BY CITY OR TOWN OF PRACTICE	53

HOSPITALS

32 NUMBER AND PERCENT OF LICENSED ACUTE HOSPITALS AND BEDS IN MASSACHUSETTS HEALTH SERVICE AREAS — 1974, 1975, 1976, 6/30/77	66
33 NUMBER AND PERCENT OF LICENSED CHRONIC AND REHABILITATION HOSPITALS AND BEDS IN MASSACHUSETTS HEALTH SERVICE AREAS — 1974, 1975, 1976, 6/30/76	67
34 UTILIZATION OF ACUTE HOSPITALS BY MAJOR SERVICES AND HEALTH SERVICE AREA — 1976	68
35 ACUTE HOSPITALS IN MASSACHUSETTS BY NUMBER OF BEDS AND OCCUPANCY RATE	70
36 SELECTED SURGICAL PROCEDURES PERFORMED IN ACUTE HOSPITALS IN MASSACHUSETTS — 1976	71
37 CARDIAC SURGICAL PROCEDURES IN MASSACHUSETTS HOSPITALS, 1976	72
38 CARDIAC CATHERIZATION AND CORONARY ANGIOGRAPHY IN MASSACHUSETTS HOSPITALS, 1976	73
39 PACEMAKER PROCEDURES IN MASSACHUSETTS HOSPITALS, 1976	74
40 SELECTED RADIOLOGICAL PROCEDURES PERFORMED IN ACUTE HOSPITALS IN MASSACHUSETTS — 1976	75
41 DESTINATION OF TRANSFERS FROM ACUTE HOSPITALS BY HEALTH SERVICE AREA, 1976	76
42 FULL AND PART-TIME PERSONNEL EMPLOYED IN ACUTE HOSPITALS, MASSACHUSETTS HEALTH SERVICE AREAS — 1976	77
43 UTILIZATION OF CHRONIC AND REHABILITATION HOSPITALS BY HEALTH SERVICE AREA, 1976	78
44 NUMBER OF BEDS AND SELECTED UTILIZATION, MASSACHUSETTS HOSPITALS, 1976	79
45 OPERATING BEDS BY SERVICE, MASSACHUSETTS HOSPITALS — 1976	88

AMBULATORY CARE FACILITIES (OUTPATIENT CLINICS)

46 NUMBER OF OUTPATIENT FACILITIES AND VISITS TO OUTPATIENT FACILITIES, MASSACHUSETTS HEALTH SERVICE AREAS — 1976	100
47 1976 VISITS TO EMERGENCY DEPARTMENTS AND SERVICES	101
48 UTILIZATION OF FREESTANDING CLINICS IN MASSACHUSETTS, VISITS PER 1,000 POPULATION — MASSACHUSETTS HEALTH SERVICE AREAS, 1976	102
49 UTILIZATION BY SERVICE OF HOSPITAL OUTPATIENT DEPARTMENTS WITH VISITS PER 1,000 POPULATION — MASSACHUSETTS HEALTH SERVICE AREAS, 1976	104
50 TYPES OF HOSPITALS WITH AMBULATORY SETTINGS BY HEALTH SERVICE AREA, 1976	106
51 DISTRIBUTION OF HEALTH MANPOWER PERSONNEL IN FREE STANDING CLINICS BY HEALTH SERVICE AREA — 1976	107
52 NUMBER OF AMBULATORY FACILITIES OFFERING SELECTED ORGANIZED SERVICES BY HEALTH SERVICE AREA — 1976	108
53 OUTPATIENT SURGERY IN MASSACHUSETTS BY HEALTH SERVICE AREA — 1976	108
54 SELECTED UTILIZATION BY SERVICE, MASSACHUSETTS AMBULATORY CARE FACILITIES — 1976	109

INDUCED ABORTIONS

55	NUMBER OF INDUCED ABORTIONS BY WEEKS OF GESTATION BY TYPE OF FACILITY AND TYPE OF SERVICE, JANUARY-JUNE, 1977	130
56	NUMBER OF INDUCED ABORTIONS BY OPERATIONAL PROCEDURE BY TYPE OF FACILITY AND TYPE OF SERVICE, JANUARY-JUNE, 1977	131
57	NUMBER OF INDUCED ABORTIONS BY HEALTH SERVICE AREA BY TYPE OF FACILITY AND TYPE OF SERVICE, JANUARY-JUNE, 1977	133
58	INDUCED ABORTIONS BY RESIDENCE OF PATIENT WITH RATES PER 1,000 WOMEN AGES 15-44, BY HEALTH SERVICE AREA AND SUBAREA (TWO-MONTH SAMPLE — AUGUST AND SEPTEMBER, 1977)	134
59	NUMBER OF INDUCED ABORTIONS BY TYPE OF FACILITY AND TYPE OF SERVICE BY AGE (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	138
60	CLINIC ABORTIONS BY SITE, BY HEALTH SERVICE AREA, AND AGE OF PATIENT (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	138
61	CLINIC ABORTIONS BY RESIDENCE OF PATIENT BY HEALTH SERVICE AREA AND AGE OF PATIENT (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	139
62	HOSPITAL INPATIENT ABORTIONS BY SITE, BY HEALTH SERVICE AREA AND AGE OF PATIENT (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	140
63	HOSPITAL INPATIENT ABORTIONS BY RESIDENCE OF PATIENT, BY HEALTH SERVICE AREA AND AGE OF PATIENT (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	141
64	HOSPITAL OUTPATIENT ABORTIONS BY SITE, BY HEALTH SERVICE AREA AND AGE OF PATIENT (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	142
65	HOSPITAL OUTPATIENT ABORTIONS BY RESIDENCE BY HEALTH SERVICE AREA AND AGE OF PATIENT (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	143

NURSING AND REST HOMES

66	MASSACHUSETTS NURSING AND REST HOMES BY TYPE OF FACILITY AND HEALTH SERVICE AREA — 1976	148
67	NUMBER OF LICENSED BEDS WITH RATES PER 1,000 POPULATION (65 AND OVER) IN NURSING AND REST HOMES, MASSACHUSETTS HEALTH SERVICE AREAS, 1973-1976	150
68	UTILIZATION OF NURSING AND REST HOMES IN MASSACHUSETTS BY HEALTH SERVICE AREA AND FACILITY TYPE — 1976	152
69	UTILIZATION OF NURSING AND REST HOMES IN MASSACHUSETTS BY HEALTH SERVICE AREA AND LEVEL OF CARE	153
70	SOURCES OF ADMISSION TO NURSING AND REST HOMES IN MASSACHUSETTS BY TYPE OF FACILITY — 1976	154
71	DESTINATION OF DISCHARGES FROM NURSING AND REST HOMES IN MASSACHUSETTS BY TYPE OF FACILITY — 1976	155
72	DISCHARGES BY LENGTH OF STAY AND TYPE OF FACILITY IN MASSACHUSETTS NURSING AND REST HOMES — 1976	156
73	SELECTED DISABILITIES AND CONDITIONS OF THE NURSING AND REST HOME POPULATION IN MASSACHUSETTS — 1976	157
74	SOURCES OF PAYMENT OF THE NURSING AND REST HOME POPULATION IN MASSACHUSETTS BY LEVEL OF CARE — 1976	158
75	HEALTH MANPOWER PERSONNEL BY TYPE OF FACILITY, MASSACHUSETTS NURSING AND REST HOMES, 1976	160
76	LICENSED BEDS AND SELECTED UTILIZATION, MASSACHUSETTS NURSING AND REST HOMES — 1976	161

RESIDENTIAL CARE FACILITIES

77	UTILIZATION OF RESIDENTIAL SCHOOLS OR TREATMENT CENTERS BY HEALTH SERVICE SUBAREA, 1976	191
78	UTILIZATION OF GROUP HOMES OR RESIDENCES BY HEALTH SERVICE SUBAREA, 1976	192
79	UTILIZATION OF HALFWAY HOUSES BY HEALTH SERVICE SUBAREA, 1976	193
80	UTILIZATION OF SHELTERED HOUSING BY HEALTH SERVICE SUBAREA, 1976	194
81	UTILIZATION OF DETOXIFICATION CENTERS BY HEALTH SERVICE SUBAREA, 1976	195
82	SOURCES OF ADMISSION TO RESIDENTIAL CARE FACILITIES IN MASSACHUSETTS, 1976	196

83	DESTINATION OF DISCHARGES FROM RESIDENTIAL CARE FACILITIES IN MASSACHUSETTS, 1976 ..	197
84	DISCHARGES BY LENGTH OF STAY IN RESIDENTIAL CARE FACILITIES IN MASSACHUSETTS, 1976 ..	198
85	PRIMARY POPULATION SERVED BY RESIDENTIAL CARE FACILITIES, 1976	199
86	AGE AND SEX DISTRIBUTION OF THE RESIDENTIAL CARE POPULATION IN MASSACHUSETTS — 1976	200
87	DISABILITIES AND CONDITIONS OF THE RESIDENTIAL CARE POPULATION IN MASSACHUSETTS, 1976	202
88	NUMBER AND PERCENT OF ALL RESIDENTIAL CARE FACILITIES OPERATING SPECIALIZED SERVICES BY HEALTH SERVICE AREA	203
89	OWNERSHIP OF MASSACHUSETTS RESIDENTIAL CARE FACILITIES, 1976	204
90	SOURCES OF PAYMENT TO THE RESIDENTIAL CARE FACILITIES POPULATION IN MASSACHUSETTS, 1976	205
91	HEALTH MANPOWER PERSONNEL BY TYPE OF FACILITY, MASSACHUSETTS RESIDENTIAL CARE FACILITIES, 1976	206
92	OPERATING BEDS AND SELECTED UTILIZATION, MASSACHUSETTS RESIDENTIAL CARE FACILITIES — 1976	207

HOME HEALTH AGENCIES

93	UTILIZATION OF HOME HEALTH AGENCIES IN MASSACHUSETTS BY HEALTH SERVICE AREA — ALL AGE GROUPS, 1976	224
94	HOME HEALTH CASES AND VISITS, 65 YEARS AND OVER, 1976	225
95	VISITS TO CLINICS BY TYPE OF CLINIC, MASSACHUSETTS HOME HEALTH AGENCIES, 1976	226
96	HEALTH PROMOTION, MASSACHUSETTS HOME HEALTH AGENCIES, 1976	228
97	HOME MORBIDITY CASES AND VISITS BY TYPE OF PROVIDER, 1976	229
98	HEALTH MANPOWER PERSONNEL, MASSACHUSETTS HOME HEALTH AGENCIES, 1976	230
99	PATIENT AND SERVICE CHARACTERISTICS, MASSACHUSETTS HOME HEALTH AGENCIES, 1976	231
100	NUMBER OF HOME HEALTH AGENCIES OFFERING SPECIAL SERVICES BY HEALTH SERVICE AREA, 1976	231
101	TOTAL VISITS, CASES AND SELECTED UTILIZATION, MASSACHUSETTS HOME HEALTH AGENCIES, 1976	232

HEALTH FINANCING

102	MASSACHUSETTS HEALTH EXPENDITURES	241
103	MASSACHUSETTS HEALTH EXPENDITURES BY TYPE OF EXPENDITURE	242
104	PER CAPITA PUBLIC SECTOR OUTLAYS IN MASSACHUSETTS AND THE U.S.A. FOR HEALTH SERVICES AND SUPPLIES BY MAJOR PROGRAM, FISCAL YEARS 1973 AND 1976	243
105	PER CAPITA PUBLIC SECTOR HEALTH EXPENDITURE BY LEVEL OF GOVERNMENT	244
106	PER CAPITA FEDERAL EXPENDITURES ON HEALTH SERVICES AND SUPPLIES BY PROGRAM, FISCAL YEARS 1973 AND 1976	244
107	PER CAPITAL FEDERAL OUTLAYS IN MASSACHUSETTS AND THE U.S.A. FOR HEALTH SERVICES AND SUPPLIES BY TYPE OF EXPENDITURE, FISCAL YEARS 1973 AND 1976	245
108	COMPARISON OF MASSACHUSETTS AND NATIONAL PER CAPITA STATE AND LOCAL GOVERNMENT HEALTH EXPENDITURES BY TYPE OF EXPENDITURE	246
109	COMPARISON OF MASSACHUSETTS AND NATIONAL PER CAPITA STATE AND LOCAL GOVERNMENT EXPENDITURES BY MAJOR PROGRAM	247
110	MEDICARE EXPENDITURES PER PERSON AGE 65 AND OVER, FISCAL YEARS 1973 AND 1976	248
111	TEN LEADING STATES IN TOTAL MEDICAID EXPENDITURES, 1976	248
112	CLAIMS INCURRED AND MEMBERSHIP OF BLUE CROSS-BLUE SHIELD OF MASSACHUSETTS BY YEAR	249
113	ENROLLMENT, BENEFIT PAYMENTS AND PREMIUM INCOME FOR MASSACHUSETTS HEALTH MAINTENANCE ORGANIZATIONS (HMO's)	249
114	MASSACHUSETTS HOSPITAL EXPENDITURES BY TYPE OF HOSPITAL AND HEALTH SERVICE AREA, 1976	250
115	ADJUSTED EXPENDITURES OF MASSACHUSETTS NURSING AND REST HOMES, 1976	251

PREVENTIVE MEDICINE

116	DEATH RATES BY SELECTED CAUSE BY SEX, MASSACHUSETTS 1940-1976	257
117	POTENTIAL YEARS OF LIFE LOST, RATE PER 10,00 PERSON YEARS, 1969-1973, CIGARETTE RELATED DISEASES, MASSACHUSETTS RESIDENTS	260
118	ESTIMATED MASSACHUSETTS PER CAPITA CIGARETTE CONSUMPTION, 1940, 1950, 1960, 1970, 1975	261
119	ESTIMATED NUMBER OF ALCOHOLICS BY HEALTH SERVICE AREA, 1975	263
120	TOTAL NUMBER OF LIVER CIRRHOSIS DEATHS AND AN ESTIMATE OF THE NUMBER OF ALCOHOLICS IN EACH HEALTH SERVICE AREA AND SUBAREA FOR 1975	264
121	FATAL AND NON-FATAL AUTOMOBILE INJURIES IN MASSACHUSETTS BY HEALTH SERVICE AREA, 1976	265
122	POTENTIAL YEARS OF LIFE LOST AND RATE PER 1,000 PERSON YEARS, 1969-1973, ACCIDENT- RELATED DEATHS, MASSACHUSETTS RESIDENTS	268
123	REPORTED INCIDENCE OF SELECTED COMMUNICABLE DISEASE IN MASSACHUSETTS BY HEALTH SERVICE AREA - 1975, 1976	269
124	TRENDS IN REPORTED INCIDENCE OF SELECTED COMMUNICABLE DISEASES IN MASSACHUSETTS - 1972-1975	270
125	SELECTED COMMUNICABLE DISEASE DEATHS TO MASSACHUSETTS RESIDENTS - 1976	271
126	KINDERGARTEN IMMUNIZATION - NUMBER OF SCHOOLS AT SELECTED LEVELS OF IMMUNIZATION BY HEALTH SERVICE SUBAREA - 1976	272
127	LEAD POISONING Pb TEST RESULTS FOR CHILDREN UNDER 6 YEARS OF AGE, 1/1/76-6/30/76	273
128	LEAD POISONING TEST MONITORING - DISTRIBUTION OF EP TEST RESULTS BY AGE WITHIN HEALTH SERVICE AREA, 1977	274
129	EMERGENCY MEDICAL TECHNICIAN'S (EMT's) AND NURSES IN EMERGENCY MEDICINE TRAINING PROGRAMS BY HEALTH SERVICE AREA, 1976 AND 1977	276
130	EMERGENCY MEDICINE AS A PHYSICIAN SPECIALTY, 1976	276
131	AMBULANCE CREW COMPOSITION - CREW SIZE AND EMERGENCY MEDICAL TECHNICIAN STATUS BY PERCENT OF RUNS, 1976 and 1977	277
132	PREVENTABLE CONDITIONS RESULTING FROM FAILURES IN PRIMARY CARE OR PUBLIC HEALTH IN MASSACHUSETTS, 1976	280
133	DEATHS AVOIDABLE BY PROPER TREATMENT, MASSACHUSETTS, 1976	283
134	CONDITIONS RESULTING FROM OCCUPATIONAL, ENVIRONMENTAL AND LIFESTYLE EXPOSURES IN MASSACHUSETTS, 1976	286
135	CONDITIONS RELATING TO FAILURES IN MEDICAL CARE (IF ABOVE SPECIFIED RATES)	288
136	DEATHS AVOIDABLE BY PROPER TREATMENT (IF ABOVE SPECIFIED RATES)	289

INDEX OF FIGURES

Figure #		Page #
1	HEALTH SERVICE AREA I	11
2	HEALTH SERVICE AREA II	12
3	HEALTH SERVICE AREA III	13
4	HEALTH SERVICE AREA IV	14
5	HEALTH SERVICE AREA V	15
6	HEALTH SERVICE AREA VI	16
7	AGE AND EMPLOYMENT STATUS OF POTENTIAL WORK FORCE OF FEMALE REGISTERED NURSES IN MASSACHUSETTS	37
8	AGE AND MARITAL STATUS OF POTENTIAL WORK FORCE OF FEMALE REGISTERED NURSES IN MASSACHUSETTS	37
9	PERCENT OF POTENTIAL WORK FORCE OF FEMALE REGISTERED NURSES IN MASSACHUSETTS WHO WERE ACTIVE IN NURSING, BY AGE AND MARITAL STATUS	38
10	PERCENT OF POTENTIAL WORK FORCE OF FEMALE REGISTERED NURSES IN MASSACHUSETTS WHO WORKED FULL-TIME, BY AGE AND MARITAL STATUS	38
11	PERCENT OF FEMALE REGISTERED NURSES IN MASSACHUSETTS WORKING IN NURSING WHO WORKED FULL-TIME, BY AGE AND MARITAL STATUS	38
12	DISTRIBUTION OF INDUCED ABORTIONS BY TYPE OF FACILITY, JANUARY-JUNE, 1977	130

13	DISTRIBUTION OF INDUCED ABORTIONS BY WEEKS OF GESTATION, JANUARY-JUNE, 1976 AND 1977	131
14	DISTRIBUTION OF INDUCED ABORTIONS BY OPERATIONAL PROCEDURE, JANUARY-JUNE, 1976 AND 1977	132
15	DISTRIBUTION OF INDUCED ABORTIONS BY SITE AND BY RESIDENCE, MASSACHUSETTS HEALTH SERVICE AREAS (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	135
16	DISTRIBUTION OF INDUCED ABORTIONS PERFORMED IN MASSACHUSETTS BY AGE GROUP AND TYPE OF FACILITY (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	136
17	DISTRIBUTION OF INDUCED ABORTIONS PERFORMED IN MASSACHUSETTS FOR AGES UNDER 20 BY TYPE OF FACILITY (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)	137
18	NUMBER OF LICENSED BEDS PER 1,000 POPULATION (65 AND OVER) IN MASSACHUSETTS NURSING AND REST HOMES BY BED TYPE AND HEALTH SERVICE AREA, 1973 AND 1976	149
19	HEALTH MANPOWER PERSONNEL IN MASSACHUSETTS NURSING AND REST HOMES, 1976 (EXPRESSED IN FULL-TIME STAFF EQUIVALENTS)	159
20	NUMBER OF RESIDENTIAL CARE FACILITIES BY TYPE, MASSACHUSETTS, 1974-1976	190
21	PER CAPITA HEALTH EXPENDITURES IN MASSACHUSETTS AND THE U.S. WITH THE PUBLIC SECTOR SHARE OF THOSE EXPENDITURES, FISCAL YEARS 1973-1976	240
22	PERCENT OF TOTAL MASSACHUSETTS RESIDENT DEATHS DUE TO CANCER OF THE RESPIRATORY SYSTEM, 1940, 1950, 1960, 1970, 1976	256
23	DEATH RATES DUE TO CIGARETTE SMOKING-RELATED DISEASES, MASSACHUSETTS AND U.S., 1940, 1950, 1960, 1970, 1976	258
24	TOTAL MASSACHUSETTS RESIDENT DEATHS DUE TO DISEASES RELATED TO CIGARETTE SMOKING, 1969-1976	262
25	SELECTED CAUSES OF DEATH DUE TO "SOCIAL ACCIDENTS" BY AGE GROUP FOR MASSACHUSETTS RESIDENTS — 1970, 1973, 1976	266
26	EMERGENCY AMBULANCE RUNS BY TYPE, 1975-1977	278

POPULATION AND VITAL STATISTICS

**MASSACHUSETTS CITIES AND TOWNS
POPULATION, ECONOMIC STATUS AND NUMBER OF HEALTH FACILITIES**

City/Town	Population		Economic Status	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate	Estimated Per Capita Income 1974	Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
HSA 1								
Sub-Area 1								
BERKSHIRE								
Adams	11,772	11,193	4,364	-	-	2	-	1
Alford	302	339	4,248	-	-	-	-	-
Becket	929	1,161	4,050	-	-	-	-	-
Cheshire	3,006	3,204	4,399	-	-	1	-	-
Clarksburg	1,987	1,950	4,018	-	-	-	-	-
Dalton	7,505	7,453	4,795	-	-	2	-	1
Egremont	1,138	1,218	4,713	-	-	-	-	-
Florida	672	725	3,712	-	-	-	-	-
Gt. Barrington	7,537	7,003	4,443	1	2	2	1	1
Hancock	675	695	4,232	-	-	-	-	-
Hinsdale	1,588	1,755	4,320	-	-	1	-	-
Lanesborough	2,972	3,244	4,903	-	-	-	-	-
Lee	6,426	6,291	4,373	-	2	1	-	1
Lenox	5,804	5,799	4,965	-	-	3	1	1
Middlefield	288	308	3,771	-	-	-	-	-
Monroe	216	200	5,270	-	-	-	-	-
Monterey	600	763	4,584	-	-	-	2	-
Mt. Washington	52	80	4,735	-	-	-	-	-
New Ashford	183	158	6,124	-	-	-	-	-
New Marlborough	1,031	1,132	4,229	-	-	-	1	-
North Adams	19,195	19,312	5,268	1	3	4	-	1
Otis	820	899	4,089	-	-	-	-	-
Peru	256	476	3,590	-	-	-	-	-
Pittsfield	57,020	54,893	4,759	2	6	7	5	1
Richmond	1,461	1,701	5,399	-	-	-	-	1
Sandisfield	547	668	3,806	-	-	2	-	-
Savoy	322	476	3,289	-	-	-	-	-
Sheffield	2,374	2,733	4,221	-	-	-	-	-
Stockbridge	2,312	2,211	5,442	1	-	-	2	-
Tyringham	234	333	3,862	-	-	-	-	-
Washington	406	491	3,879	-	-	1	-	-
W. Stockbridge	1,354	1,343	4,674	-	-	-	-	-
Williamstown	8,454	8,693	4,563	-	1	2	-	1
Windsor	468	574	4,763	-	-	-	-	-
Sub-Area 2								
NORTHERN VALLEY								
Amherst	26,331	30,127	3,774	-	3	2	-	1
Ashfield	1,274	1,419	4,269	-	-	1	-	-
Athol	11,185	10,772	4,374	1	5	2	-	1
Bernardston	1,659	1,779	3,850	-	-	-	-	-
Buckland	1,892	1,886	4,094	-	-	-	-	-
Charlemont	897	1,053	4,618	-	-	-	-	1
Chesterfield	704	896	3,177	-	-	-	-	-
Colrain	1,420	1,493	3,706	-	-	-	-	-
Conway	998	1,160	4,857	-	-	-	-	-
Cummington	562	656	4,305	-	-	-	-	-
Deerfield	3,850	4,257	4,532	-	-	1	-	1
Easthampton	13,012	15,168	4,383	-	-	2	2	1
Erving	1,260	1,309	3,839	-	-	-	-	-
Gill	1,100	1,288	4,313	-	-	-	-	-
Goshen	483	658	3,478	-	-	-	-	-
Greenfield	18,116	19,066	4,576	1	3	4	5	2
Hadley	3,750	3,772	5,109	-	-	1	1	1
Hatfield	2,825	3,091	4,794	-	-	-	-	1
Hawley	224	270	3,418	-	-	-	-	-
Heath	383	423	3,588	-	-	-	-	-

City/Town	Population		Economic Status Estimated Per Capita Income 1974	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate		Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
Leverett	1,005	1,294	4,582	-	-	-	-	-
Leyden	376	456	3,919	-	-	-	-	-
Montague	8,451	8,281	4,170	1	1	-	1	1
New Salem	474	652	4,687	-	-	-	-	-
Northhampton	29,664	30,173	4,082	4	5	8	4	1
Northfield	2,631	2,454	4,574	-	-	-	1	1
Orange	6,104	6,447	3,829	-	-	1	-	-
Pelham	937	1,171	5,670	-	-	-	-	-
Petersham	1,014	1,128	4,262	-	-	-	1	-
Phillipston	872	968	3,591	-	-	-	-	-
Plainfield	287	371	4,103	-	-	-	-	-
Rowe	277	313	3,791	-	-	-	-	-
Royalston	809	881	3,726	-	-	-	-	-
Shelburne	1,836	1,980	4,267	-	1	3	-	1
Shutesbury	489	808	6,732	-	-	-	-	-
Southampton	3,069	3,807	4,712	-	-	-	-	-
Sunderland	2,236	2,844	4,427	-	-	1	-	1
Warwick	492	587	3,778	-	-	-	-	-
Wendell	405	646	2,936	-	-	-	-	-
Westhampton	793	949	3,787	-	-	-	-	-
Whately	1,145	1,170	4,916	-	-	-	-	-
Williamsburg	2,342	2,279	4,513	-	-	2	-	-
Worthington	712	813	3,831	-	1	-	-	-
Sub-Area 3 SOUTHERN VALLEY								
Agawam	21,717	24,402	4,768	-	1	4	-	-
Belchertown	5,936	6,369	3,056	-	-	-	3	-
Blandford	863	956	4,593	-	-	-	-	-
Chester	1,025	1,116	4,093	-	-	-	-	1
Chicopee	66,676	57,771	4,252	-	3	6	2	1
E. Longmeadow	13,029	13,093	4,979	-	-	1	-	-
Granby	5,473	5,601	4,297	-	-	-	-	-
Granville	1,008	1,193	4,741	-	-	-	-	-
Hampden	4,572	4,743	4,635	-	-	1	-	-
Holyoke	50,112	46,435	4,096	3	10	10	5	1
Huntington	1,593	1,732	3,733	-	-	-	1	-
Longmeadow	15,630	16,626	7,944	-	1	1	-	-
Ludlow	17,580	18,148	3,647	1	2	-	-	1
Monson	7,355	7,350	3,680	-	-	-	-	-
Montgomery	446	605	5,692	-	-	1	-	-
Palmer	11,680	11,718	4,427	1	1	1	1	1
Russell	1,382	1,590	4,658	-	-	-	-	-
South Hadley	17,033	16,981	4,329	-	-	-	-	-
Southwick	6,330	7,055	4,200	-	-	-	-	-
Springfield	163,905	170,790	4,145	4	17	23	13	1
Tolland	172	214	3,107	-	-	-	-	-
Ware	8,187	8,679	3,922	1	1	-	-	1
Warren	3,633	3,426	3,730	-	-	-	-	-
W. Springfield	28,461	28,110	5,035	-	1	2	1	-
Westfield	31,433	34,172	4,487	2	4	4	1	-
Wilbraham	11,984	13,116	5,611	-	1	-	-	-
HSA II								
Sub-Area 1 NORTH								
Ashburnham	3,484	3,847	4,300	1	-	3	-	-
Ashby	2,274	2,347	3,855	-	-	-	-	-
Ayer	8,325	6,583	3,872	2	3	2	-	1
Barre	3,825	3,983	4,127	-	1	1	1	1
Bolton	1,905	2,451	5,306	-	-	-	-	-
Clinton	13,383	12,934	4,248	1	2	3	1	-
Fitchburg	43,343	38,976	4,228	1	5	11	3	2
Gardner	19,748	19,233	4,425	2	3	4	3	1
Groton	5,109	5,489	4,522	-	-	2	-	-

City/Town	Population		Economic Status	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate	Estimated Per Capita Income 1974	Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
Hardwick	2,379	2,154	4,125	-	-	1	-	-
Harvard	12,494	11,726	4,181	-	-	-	-	1
Hubbardston	1,437	1,656	3,782	-	-	-	-	-
Lancaster	6,095	6,164	4,109	-	-	1	3	1
Leominster	32,939	35,493	4,574	1	2	6	3	1
Lunenburg	7,419	8,188	4,656	-	-	-	-	1
New Braintree	631	700	4,336	-	-	-	-	-
Oakham	730	851	5,176	-	-	-	-	-
Pepperell	5,887	6,780	3,917	-	-	2	-	1
Princeton	1,681	2,089	5,221	-	-	-	-	-
Rutland	3,198	3,780	4,660	1	1	-	1	-
Shirley	4,909	4,844	4,316	-	-	-	-	-
Sterling	4,247	4,936	4,874	-	-	-	-	-
Templeton	5,863	6,066	3,632	-	-	1	1	1
Townsend	4,281	5,167	5,320	-	-	-	1	-
Westminster	4,273	4,533	5,002	-	-	1	-	-
Winchendon	6,635	6,839	3,980	1	1	3	1	1
Sub-Area 2 CENTRAL								
Auburn	15,347	15,569	4,695	-	-	-	-	1
Berlin	2,099	2,283	4,430	-	-	-	-	-
Boylston	2,774	3,353	5,010	1	-	-	-	1
Holden	12,564	13,623	5,607	1	1	2	-	1
Leicester	9,140	8,993	4,138	-	-	-	1	1
Paxton	3,731	3,834	5,226	-	-	-	-	-
Shrewsbury	19,196	22,039	5,391	-	1	1	1	-
West Boylston	6,369	6,252	5,569	-	1	1	-	-
Worcester	176,572	171,566	4,435	9	24	51	15	2
Sub-Area 3 SOUTH								
Bellingham	13,967	14,458	4,075	-	1	-	-	-
Blackstone	6,566	6,463	3,724	-	-	1	-	-
Brimfield	1,907	2,184	4,330	-	1	-	-	-
Brookfield	2,063	2,176	4,109	-	-	1	-	-
Charlton	4,654	5,653	3,904	-	-	2	-	-
Douglas	2,947	3,178	4,187	-	-	-	-	1
Dudley	8,087	7,816	4,148	-	-	-	-	-
E. Brookfield	1,800	1,986	3,981	-	-	-	-	-
Franklin	17,830	18,348	4,093	-	-	2	-	1
Grafton	11,659	10,511	4,425	-	1	3	1	1
Holland	931	1,374	4,635	-	-	-	-	-
Hopedale	4,292	3,960	4,383	-	1	2	1	-
Medway	7,938	8,148	4,349	-	-	1	-	-
Mendon	2,524	2,719	4,695	-	-	-	-	-
Milford	19,352	23,553	4,432	1	3	3	1	1
Millbury	11,987	12,111	4,258	-	-	2	1	1
Millville	1,764	1,738	3,055	-	-	1	-	-
Northbridge	11,795	12,141	4,341	1	1	2	1	1
N. Brookfield	3,967	4,151	3,377	-	-	-	1	-
Oxford	10,345	10,826	3,935	-	-	1	-	-
Southbridge	17,057	16,832	4,457	1	2	1	2	1
Spencer	8,779	9,949	4,152	-	-	2	1	1
Sturbridge	4,878	5,540	5,061	-	-	-	-	-
Sutton	4,590	4,987	4,456	-	-	-	-	1
Upton	3,484	3,785	4,305	-	-	1	-	1
Uxbridge	8,253	8,514	4,030	-	-	1	1	1
Wales	852	1,043	3,787	-	-	-	-	-
Webster	14,917	14,369	4,190	1	1	2	1	1
W. Brookfield	2,653	2,932	4,186	-	-	3	-	-

City/Town	Population		Economic Status	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate	Estimated Per Capita Income 1974	Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
HSA III								
Sub-Area 1								
LOWELL-TEWKSBURY								
Billerica	31,648	36,407	3,422	-	-	3	-	1
Chelmsford	31,432	31,789	5,192	-	1	4	3	-
Dracut	18,214	20,397	4,308	-	-	-	-	-
Dunstable	1,292	1,547	4,734	-	-	-	-	-
Lowell	94,239	91,493	3,959	5	11	14	3	1
Tewksbury	22,755	24,063	4,094	1	-	3	-	-
Tyngsborough	4,204	4,909	3,853	-	-	-	-	-
Westford	10,368	13,109	4,510	-	-	1	-	-
Sub-Area 2								
LAWRENCE-ANDOVER								
Andover	23,695	26,468	6,134	-	-	3	2	1
Lawrence	66,915	67,390	4,035	1	5	7	4	1
Methuen	35,456	35,426	4,442	1	1	6	1	-
North Andover	16,284	15,765	5,268	-	-	3	-	-
Sub-Area 3								
GREATER NEWBURY								
Amesbury	11,388	13,923	4,243	1	1	6	1	1
Boxford	4,032	4,566	7,525	-	-	-	-	-
Georgetown	5,290	5,937	4,546	1	-	-	-	-
Groveland	5,382	5,228	4,779	-	-	-	-	-
Haverhill	46,120	44,377	4,426	2	5	14	4	1
Merrimac	4,245	4,178	4,326	-	-	-	1	-
Newbury	3,804	4,254	5,400	-	-	-	-	-
Newburyport	15,807	16,330	4,207	2	1	5	2	1
Rowley	3,040	3,473	4,452	-	-	1	-	-
Salisbury	4,179	5,002	3,709	-	-	1	-	-
West Newbury	2,254	2,641	5,188	-	-	-	-	-
HSA IV								
Sub-Area 1								
CENTRAL METRO								
Boston	641,071	636,725	4,157	38	128	102	62	4
Brookline	58,689	53,590	7,690	4	10	10	5	1
Chelsea	30,625	24,716	3,957	2	5	2	1	-
Revere	43,139	41,078	4,492	1	3	2	1	-
Winthrop	20,335	20,276	4,868	1	1	4	1	-
Sub-Area 2								
NORTHWEST METRO								
Acton	14,770	18,323	6,111	-	1	1	-	1
Arlington	53,524	49,815	5,574	1	4	6	1	-
Bedford	13,513	13,223	5,474	1	1	1	-	1
Belmont	28,285	27,480	6,989	1	2	1	1	1
Boxborough	1,451	2,714	5,301	-	-	-	-	-
Burlington	21,980	24,537	4,665	-	2	-	2	1
Cambridge	100,361	102,420	5,278	5	24	10	8	1
Carlisle	2,871	3,182	7,227	1	1	1	-	-
Concord	16,148	17,637	7,413	1	6	2	1	1
Lexington	31,886	32,310	6,740	-	3	5	1	1
Lincoln	7,567	7,249	7,384	-	-	1	1	-
Littleton	6,380	6,619	4,975	-	-	-	-	-
Maynard	9,710	9,873	4,529	-	-	-	1	1
Somerville	88,779	80,798	4,278	2	10	11	6	1
Stow	3,984	4,717	5,556	-	-	2	-	-

City/Town	Population		Economic Status Estimated Per Capita Income 1974	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate		Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
Wilmington	17,102	17,643	4,238	-	-	-	-	1
Winchester	22,269	22,583	7,169	1	2	1	-	-
Woburn	37,406	35,041	4,691	2	3	3	1	-
Sub-Area 3 WEST METRO								
Ashland	8,882	8,868	4,728	-	-	2	-	1
Dover	4,529	4,917	9,219	-	-	-	-	-
Framingham	64,048	65,540	5,556	3	7	13	3	1
Holliston	12,069	12,917	5,237	-	1	2	-	-
Hopkinton	5,981	6,394	4,990	-	-	-	1	-
Hudson	16,084	16,950	4,418	-	-	1	-	1
Marlborough	27,936	30,315	4,643	1	3	4	2	1
Natick	31,057	30,951	5,459	1	2	7	2	1
Needham	29,748	29,802	7,010	1	4	3	2	1
Newton	91,263	88,559	7,129	1	6	19	5	1
Northborough	9,218	10,606	4,905	-	-	3	-	1
Sherborn	3,309	4,146	6,742	-	-	-	-	-
Southborough	5,798	6,334	5,710	-	-	-	-	-
Sudbury	13,506	14,935	6,342	-	-	1	-	1
Waltham	61,582	56,251	4,748	4	6	13	7	2
Watertown	39,307	35,743	5,225	-	1	3	6	-
Wayland	13,461	13,209	6,926	-	1	2	-	1
Wellesley	28,051	26,980	7,858	1	3	2	-	-
Westborough	12,594	13,980	5,023	1	1	1	1	1
Weston	10,870	11,747	9,609	-	-	1	-	1
Sub-Area 4 SOUTHWEST METRO								
Canton	17,100	18,094	5,413	1	1	1	-	1
Dedham	26,938	26,819	5,312	-	2	-	-	1
Foxborough	14,218	14,658	4,636	1	1	2	-	-
Medfield	9,821	10,021	5,864	1	1	1	1	1
Millis	5,686	6,561	5,237	-	-	2	-	1
Norfolk	4,656	6,035	4,313	-	-	-	-	-
Norwood	30,815	31,179	5,407	1	2	6	1	1
Sharon	12,367	13,621	6,214	-	-	1	1	1
Walpole	18,149	18,437	5,120	1	1	-	-	1
Westwood	12,750	14,026	7,040	1	2	-	-	1
Wrentham	7,315	7,320	3,687	1	1	4	1	1
Sub-Area 5 SOUTH METRO								
Braintree	35,050	36,804	5,189	2	3	7	1	1
Cohasset	6,954	7,803	6,931	-	-	2	-	1
Hingham	18,845	19,470	5,990	-	1	2	2	1
Holbrook	11,775	11,816	4,396	-	-	1	-	1
Hull	9,961	10,573	4,348	-	-	-	1	1
Milton	27,190	27,397	6,605	1	1	-	-	1
Norwell	7,796	9,083	5,703	-	1	2	1	1
Quincy	87,966	91,494	5,057	1	8	11	5	1
Randolph	27,035	29,227	4,830	-	2	3	3	1
Scituate	16,973	17,762	5,151	-	-	1	2	1
Weymouth	54,610	56,815	4,869	1	1	7	-	1
HSA V								
Sub-Area 1 ATTLEBORO								
Attleboro	32,907	32,514	4,664	2	3	6	3	1
Mansfield	9,939	12,586	4,559	-	-	-	-	-
N. Attleboro	18,665	19,098	4,573	-	-	1	-	-
Norton	9,487	9,874	3,891	-	-	3	1	-
Plainville	4,953	5,481	4,540	-	1	1	-	-

City/Town	Population		Economic Status Estimated Per Capita Income 1974	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate		Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
Sub-Area 2 BROCKTON								
Abington	12,334	13,503	4,613	-	-	3	-	1
Avon	5,295	5,301	4,363	-	-	-	-	-
Bridgewater	12,911	13,620	4,272	1	-	1	-	1
Brockton	89,040	95,878	4,189	3	10	14	5	1
E. Bridgewater	8,347	9,548	4,211	-	1	3	-	1
Easton	12,157	14,221	4,733	-	-	3	-	1
Stoughton	23,459	25,844	4,755	2	3	3	-	1
W. Bridgewater	6,070	6,442	4,111	-	-	-	-	-
Whitman	13,059	13,475	4,305	-	-	1	1	1
Sub-Area 3 PLYMOUTH								
Carver	2,420	4,392	3,375	-	-	1	-	1
Duxbury	7,636	10,743	5,864	-	1	-	-	-
Halifax	3,537	4,775	4,105	-	-	-	-	-
Hanover	10,107	10,656	4,723	-	1	1	1	1
Hanson	7,148	8,449	4,054	1	1	-	-	1
Kingston	5,999	6,810	5,990	-	-	1	-	-
Marshfield	15,223	19,657	4,997	-	2	1	-	1
Pembroke	11,193	12,431	4,172	-	-	1	1	1
Plymouth	18,606	27,531	4,516	1	3	5	1	1
Plympton	1,224	1,705	4,326	-	-	-	-	-
Rockland	15,674	17,064	3,865	-	-	7	-	1
Sub-Area 4 TAUNTON								
Berkeley	2,027	2,315	4,110	-	-	-	-	-
Dighton	4,667	5,087	4,593	-	-	1	-	-
Lakeville	4,376	5,160	4,520	1	1	2	-	1
Middleborough	13,607	14,152	4,024	1	2	8	-	1
Raynham	6,705	7,778	4,827	-	1	-	-	-
Rehoboth	6,512	7,027	4,504	-	1	-	-	-
Seekonk	11,116	11,333	4,973	-	1	-	-	1
Taunton	43,756	41,935	3,857	2	7	6	5	1
Sub-Area 5 FALL RIVER								
Fall River	96,898	100,430	3,685	3	9	16	10	1
Freetown	4,270	5,581	4,306	-	-	-	1	-
Somerset	18,088	19,220	4,577	-	-	-	-	1
Swansea	12,640	15,185	4,123	-	-	3	1	1
Westport	9,791	12,845	4,031	-	-	-	-	1
Sub-Area 6 NEW BEDFORD								
Acushnet	7,767	8,472	3,891	-	-	1	-	1
Dartmouth	18,800	22,229	4,784	-	-	4	-	1
Fairhaven	16,332	15,949	4,300	-	-	5	-	1
Gosnold	83	101	3,738	-	-	-	-	-
Marion	3,466	3,885	4,723	-	-	-	1	1
Mattapoisett	4,500	5,432	4,884	-	-	1	-	1
New Bedford	101,777	100,133	3,794	3	9	14	10	1
Rochester	1,770	2,315	4,414	-	-	-	-	-
Sub-Area 7 CAPE COD								
Barnstable	19,842	27,056	4,834	1	4	6	5	1
Bourne	12,636	11,190	4,198	1	3	2	3	-
Brewster	1,790	3,827	4,887	-	-	-	2	-
Chatham	4,554	6,104	5,412	-	2	-	1	1
Chilmark	340	405	4,188	-	-	-	-	-
Dennis	6,454	9,503	5,402	-	-	-	-	-

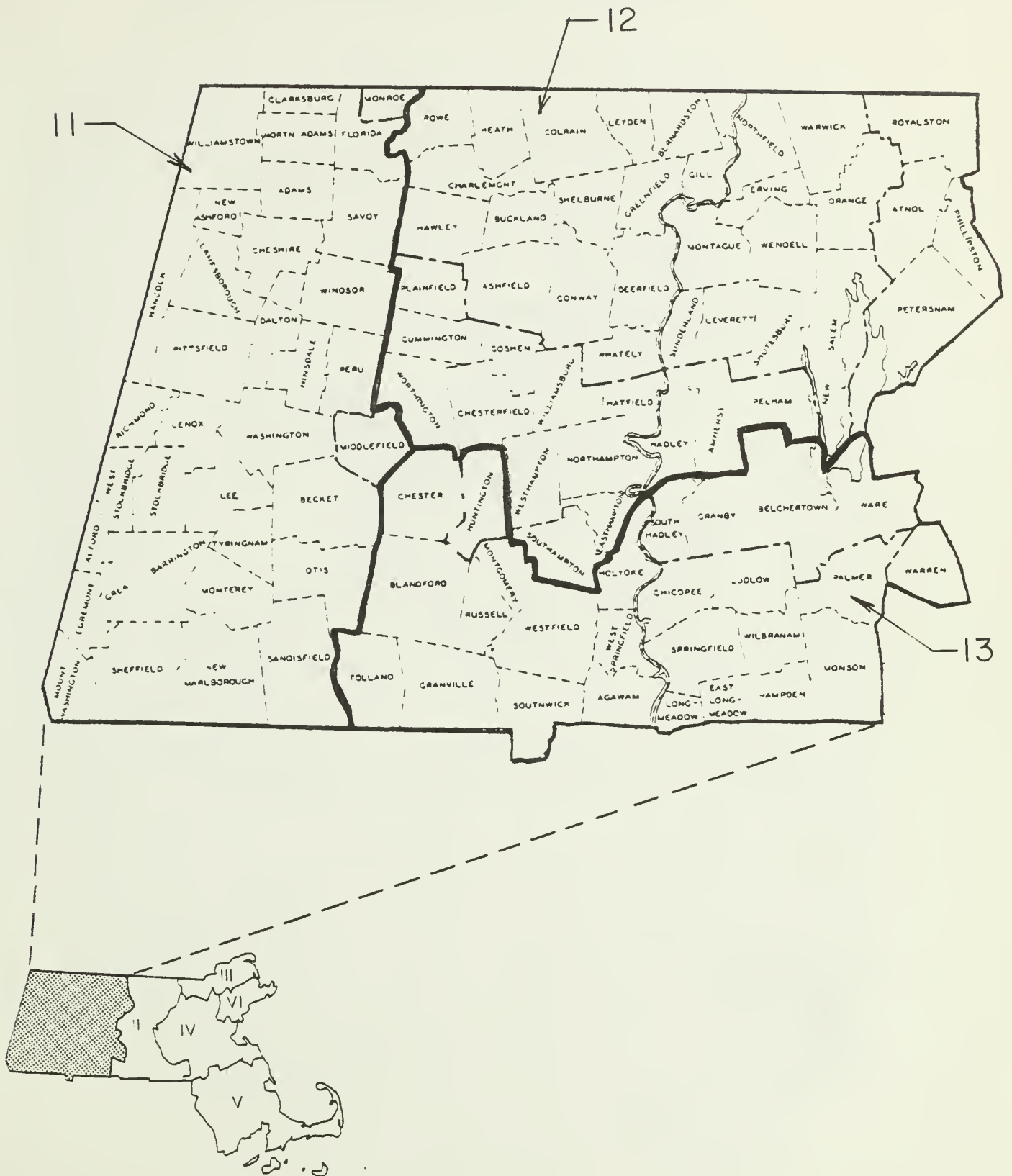
City/Town	Population		Economic Status Estimated Per Capita Income 1974	Health Facilities				
	1970 U.S. Census	1975 U.S. Census Bureau Estimate		Hospitals	Outpatient Facilities	Nursing & Rest Homes	Residential Care Facilities	Home Health Agencies
Eastham	2,043	3,128	5,317	-	-	-	-	1
Edgartown	1,481	2,172	5,382	-	1	-	-	-
Falmouth	15,942	20,866	4,533	1	3	3	3	1
Gay Head	118	148	4,220	-	-	-	-	-
Harwich	5,892	7,883	4,566	-	-	1	-	1
Mashpee	1,288	2,573	5,104	-	-	1	1	-
Nantucket	3,774	5,660	4,376	1	2	1	-	1
Oak Bluffs	1,385	1,737	4,135	1	1	-	-	-
Orleans	3,055	4,433	6,666	-	-	1	1	1
Provincetown	2,911	4,007	3,706	-	2	1	-	1
Sandwich	5,239	6,401	4,445	-	1	1	1	1
Tisbury	2,257	2,772	4,334	-	1	-	-	1
Truro	1,234	1,251	5,180	-	-	-	-	-
Wareham	11,492	15,266	3,710	1	1	2	-	1
Wellfleet	1,743	1,981	5,363	-	2	-	-	1
W. Tisbury	453	699	5,428	-	-	-	-	-
Yarmouth	12,033	17,729	4,726	-	-	2	-	-
HSA VI								
Sub-Area 1 CAPE ANN								
Beverly	38,348	37,180	5,044	1	3	5	3	2
Essex	2,670	2,873	4,856	-	-	-	-	-
Gloucester	27,941	27,074	4,630	1	4	5	1	1
Hamilton	6,373	6,684	5,406	-	-	-	-	1
Ipswich	10,750	11,574	4,732	1	1	2	1	1
Manchester	5,151	5,534	5,844	-	-	2	1	1
Rockport	5,636	6,305	5,583	-	-	1	-	1
Topsfield	5,225	5,924	5,999	-	-	-	-	1
Wenham	3,849	3,990	7,128	-	-	-	-	-
Sub-Area 2 DANVERS- SALEM								
Danvers	26,151	24,951	4,689	2	3	7	6	1
Marblehead	21,295	21,498	7,429	1	2	2	-	1
Middleton	4,044	4,016	4,301	-	-	-	-	1
Peabody	48,080	45,200	4,799	1	3	4	2	2
Salem	40,556	38,957	4,367	3	7	4	3	1
Sub-Area 3 GREATER LYNN								
Lynn	90,294	79,327	4,424	3	15	20	4	1
Lynnfield	10,826	12,008	6,590	-	-	1	-	-
Nahant	4,119	4,224	5,956	-	-	2	-	-
Saugus	25,110	24,614	4,699	1	2	3	-	-
Swampscott	13,578	14,289	6,731	-	-	1	-	-
Sub-Area 4 EASTERN MIDDLESEX								
Melrose	33,180	32,050	5,226	1	2	7	3	2
North Reading	11,264	12,134	4,704	-	-	1	1	-
Reading	22,539	23,676	5,518	-	-	2	-	-
Stoneham	20,725	21,524	5,321	1	2	3	-	1
Wakefield	25,402	25,971	5,360	-	-	7	1	1
Sub-Area 5 TRI-CITIES								
Everett	42,485	39,473	4,489	1	1	3	-	1
Malden	56,127	55,778	4,586	1	5	12	2	1
Medford	64,397	60,769	4,680	1	1	7	1	1

**ESTIMATED AGE DISTRIBUTION OF MASSACHUSETTS POPULATION
BY HEALTH SERVICE AREA SUBAREAS — 1975¹**

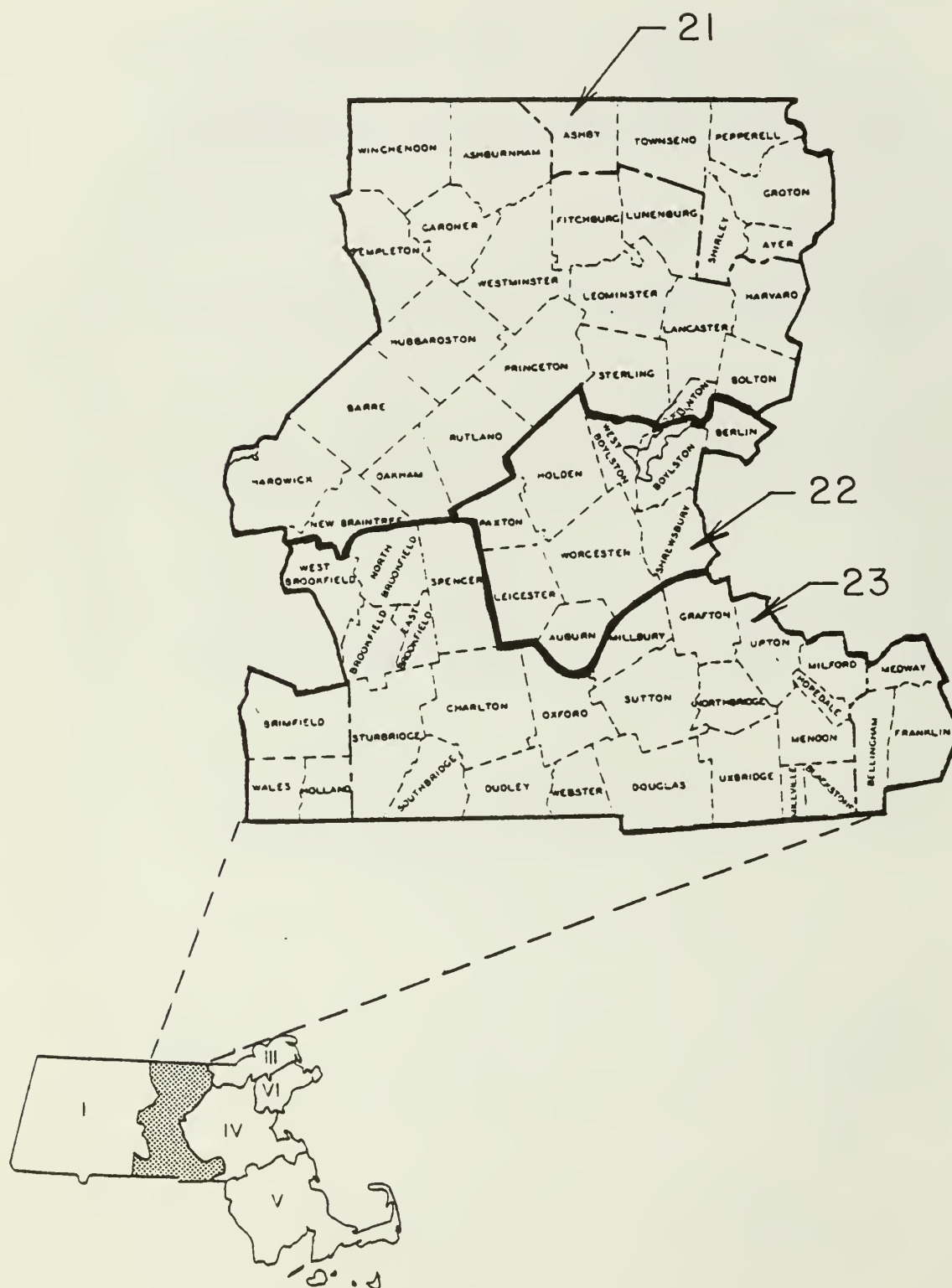
HSA SUBAREAS	TOTAL	M&F 0-14	M&F 15-64	M&F 65 +	F 15-44
I					
1	149,474	34,827	95,215	19,432	30,493
2	171,015	38,478	113,212	19,325	39,162
3	501,991	119,976	325,792	56,223	109,936
TOTAL	822,480	193,281	534,219	94,980	179,591
II					
1	207,809	52,160	134,452	21,197	44,056
2	247,512	53,710	159,893	33,909	50,740
3	221,445	59,569	139,953	21,923	46,503
TOTAL	676,766	165,439	434,298	77,029	141,299
III					
1	223,714	62,864	142,282	18,568	50,783
2	145,049	34,232	92,686	18,131	30,315
3	109,909	27,917	67,924	14,068	22,971
TOTAL	478,672	125,013	302,892	50,767	104,069
IV					
1	775,385	169,034	501,674	104,677	189,969
2	476,164	109,518	317,125	49,521	111,899
3	489,144	119,840	321,857	47,447	112,503
4	166,771	43,360	109,402	14,009	37,023
5	318,244	77,333	203,995	36,916	67,149
TOTAL	2,225,708	519,085	1,454,053	252,570	518,543
V					
1	79,553	21,877	50,516	7,160	18,377
2	197,832	53,612	126,019	18,201	44,710
3	124,213	37,388	76,515	10,310	27,948
4	94,787	24,076	60,569	10,142	20,285
5	153,261	35,710	97,781	19,770	30,959
6	158,516	35,032	101,609	21,875	31,545
7	156,791	32,926	94,702	29,163	29,477
TOTAL	964,953	240,621	607,711	116,621	203,301
VI					
1	107,138	26,035	68,675	12,428	23,356
2	134,622	32,040	88,312	14,270	30,021
3	134,462	31,195	85,518	17,749	27,296
4	115,355	28,262	74,289	12,804	24,917
5	156,020	33,700	100,009	22,311	31,984
TOTAL	647,597	151,232	416,803	79,562	137,574
STATE TOTALS	5,816,176	1,394,671	3,749,976	671,529	1,284,377

¹These estimates are based on the 1975 U.S. Census Bureau estimates for Massachusetts. Information on the methodology used to arrive at these figures is found in the Glossary. These figures were used for calculation of rates in every table except where noted otherwise.

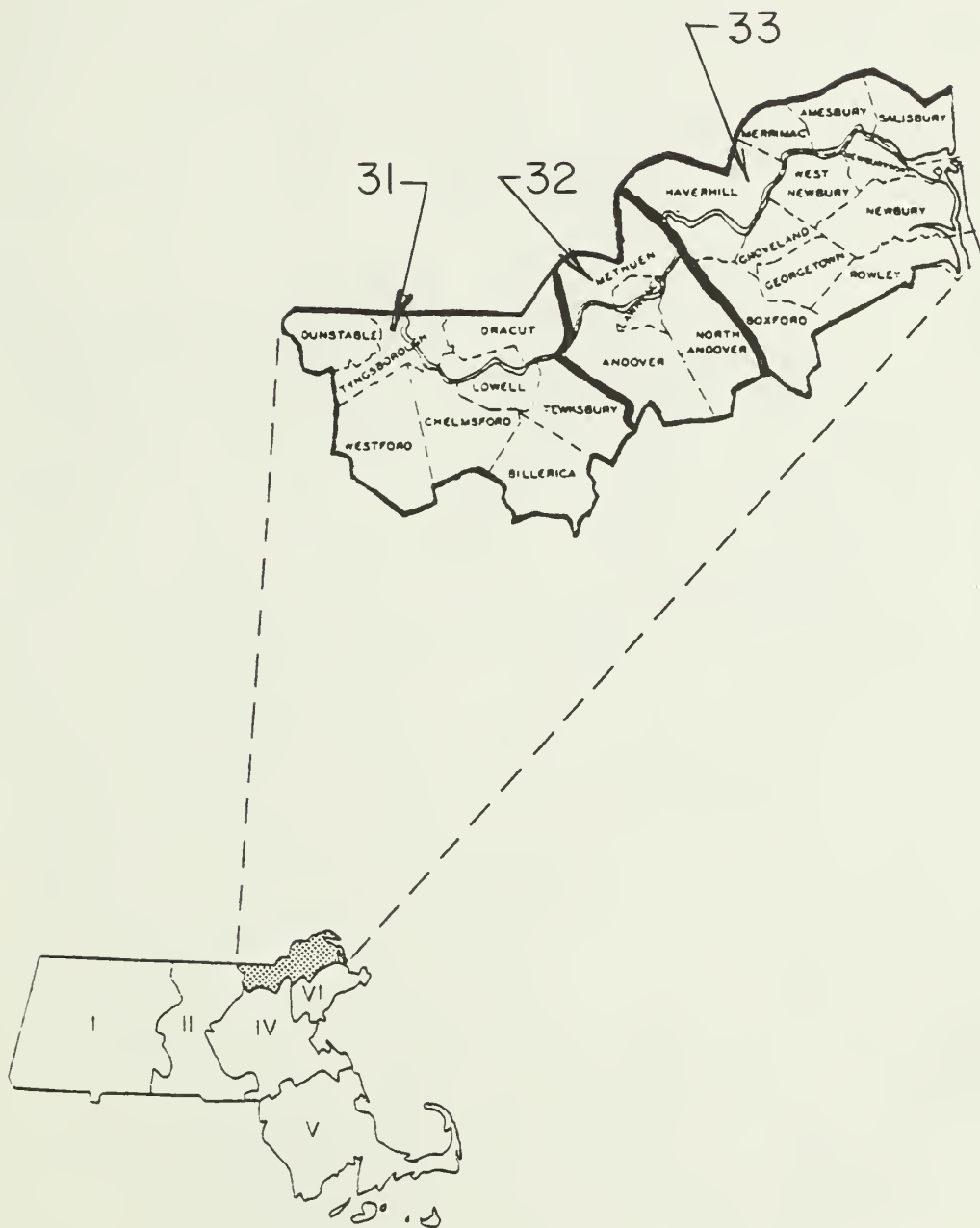
HEALTH SERVICE AREA I



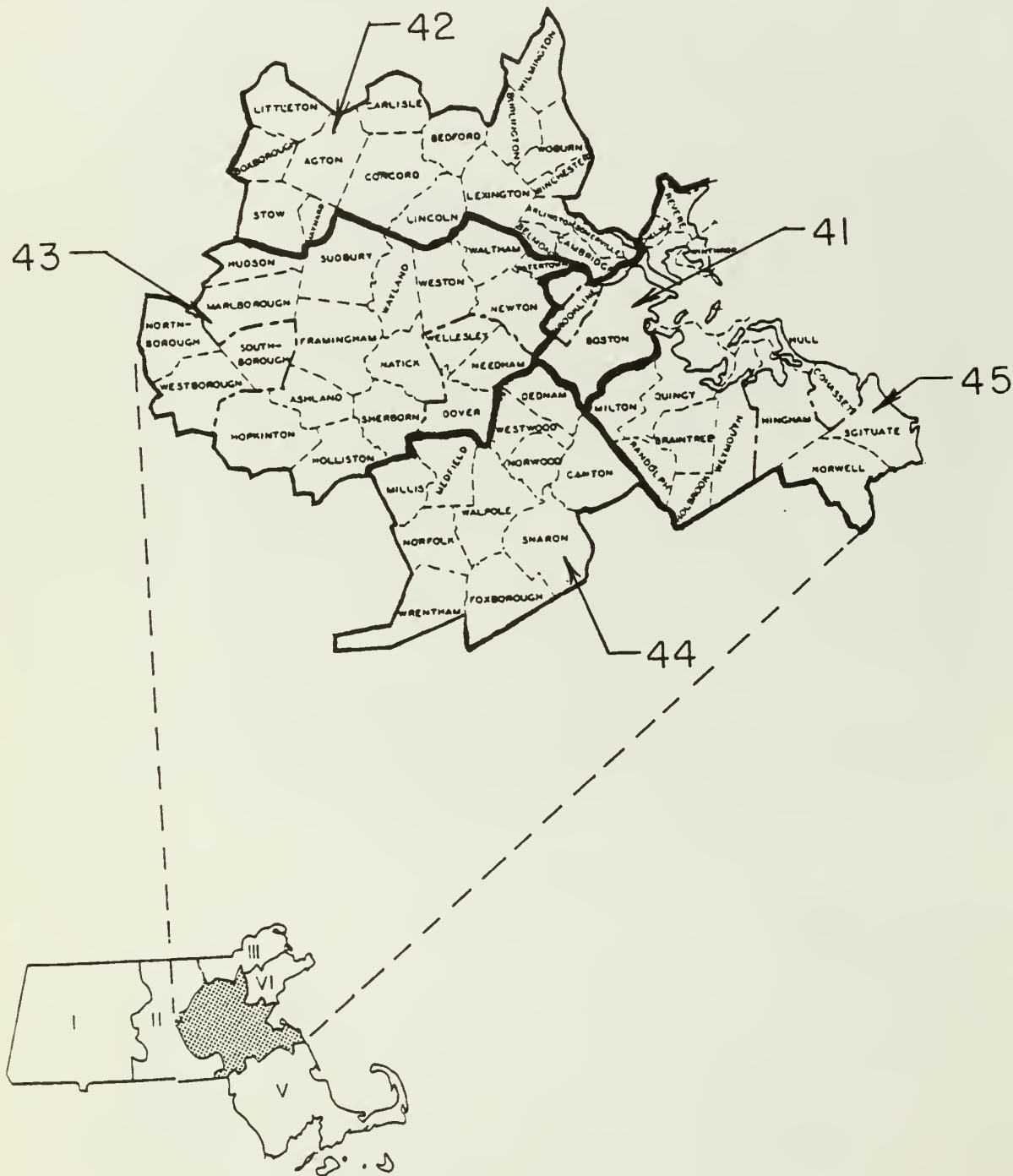
HEALTH SERVICE AREA II



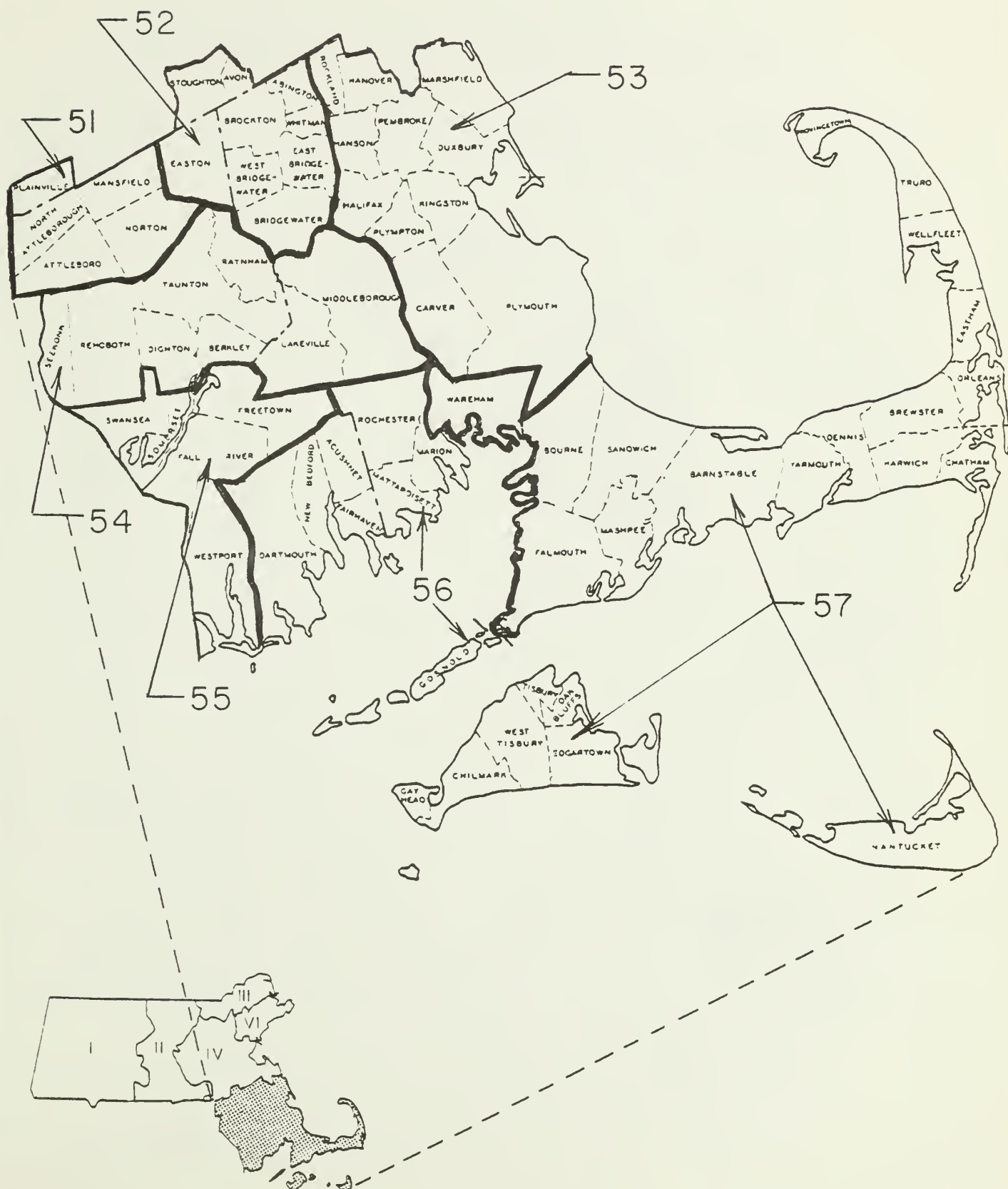
HEALTH SERVICE AREA III



HEALTH SERVICE AREA IV



HEALTH SERVICE AREA V



HEALTH SERVICE AREA VI



RESIDENT BIRTHS AND DEATHS BY HSA AND SUBAREA 1976

HSA	SUBAREAS	LIVE BIRTHS	LOW-WEIGHT BABIES ¹		CONGENITAL ANOMALIES	TOTAL DEATHS	NEONATAL DEATHS	INFANT DEATHS
			NO.	%				
I	1	1567	93	5.9	28	1510	17	23
	2	1743	112	6.4	39	1420	18	27
	3	5749	419	7.3	160	4622	45	68
	TOTAL	9059	624	6.9	227	7552	80	118
II	1	2770	212	7.6	39	1785	34	45
	2	2940	232	7.9	50	2749	25	35
	3	2945	172	5.8	28	1800	22	30
	TOTAL	8655	616	7.1	117	6334	81	110
III	1	3101	208	6.7	31	1849	32	40
	2	1969	123	6.2	22	1511	15	21
	3	1336	85	6.4	19	1163	14	19
	TOTAL	6406	416	6.5	72	4523	61	80
IV	1	8367	717	8.6	81	8225	92	126
	2	4670	280	6.0	34	3845	29	45
	3	4997	279	5.6	37	3779	21	28
	4	1586	92	5.8	15	1224	14	17
	5	2972	171	5.7	22	2919	32	38
	TOTAL	22592	1539	6.8	189	19992	188	254
V	1	1119	62	5.5	16	612	7	9
	2	2767	179	6.5	30	1740	34	41
	3	1876	119	6.3	22	919	24	34
	4	1248	89	7.1	15	896	10	11
	5	1745	115	6.6	92	1483	11	20
	6	1988	139	7.0	17	1699	23	33
	7	1714	98	5.7	16	1833	11	13
	TOTAL	12457	801	6.4	208	9182	120	161
VI	1	1123	52	4.6	14	959	10	12
	2	1343	84	6.2	18	1253	14	17
	3	1502	101	6.7	13	1487	9	19
	4	1116	48	4.3	16	948	5	7
	5	1694	97	5.7	20	1750	17	21
	TOTAL	6778	382	5.6	81	6397	55	76
STATE TOTAL		65947	4378 ²	6.6	894	53980	585	799

¹2500 grams or less.²Does not include 47 babies of unknown weight.

SOURCE: Massachusetts Department of Public Health
Registry of Vital Records and Statistics
1976 Birth and Death Certificates

RANK ORDER OF LEADING CAUSES OF DEATH BY AGE GROUP
MASSACHUSETTS RESIDENTS - 1976

AGE GROUP	ICDA CODE DEATHS	RANK ORDER			TOTAL DEATHS DUE TO ALL CAUSES
		1	2	3	
<1	ICDA CODE DEATHS	760-779 PERINATAL MORTALITY 407	740-759 CONGENITAL ANOMALIES 185	7950 SUDDEN INFANT DEATH SYNDROME 67	799
1-4	ICDA CODE DEATHS	800-809, 824-949 OTHER ACCIDENTS 33	740-759 CONGENITAL ANOMALIES 26	810-823 MOTOR VEHICLE ACCIDENTS 14	130
5-9	ICDA CODE DEATHS	800-809, 824-949 OTHER ACCIDENTS 25	810-823 MOTOR VEHICLE ACCIDENTS 16	140-209 MALIGNANT NEOPLASMS 16	100
10-14	ICDA CODE DEATHS	810-823 MOTOR VEHICLE ACCIDENTS 22	800-809, 824-949 OTHER ACCIDENTS 21	140-209 MALIGNANT NEOPLASMS 19	120
15-19	ICDA CODE DEATHS	810-823 MOTOR VEHICLE ACCIDENTS 198	800-809, 824-949 OTHER ACCIDENTS 50	140-209 MALIGNANT NEOPLASMS 32	401

RANK ORDER OF LEADING CAUSES OF DEATH BY AGE GROUP
MASSACHUSETTS RESIDENTS – 1976 (CONTINUED)

AGE GROUP	ICDA CODE DEATHS	RANK ORDER			TOTAL DEATHS DUE TO ALL CAUSES
		1	2	3	
20-29	ICDA CODE DEATHS	810-823 MOTOR VEHICLE ACCIDENTS 249	950-959 SUICIDE 170	800-809, 824-949 OTHER ACCIDENTS 139	966
30-39	ICDA CODE DEATHS	140-209 MALIGNANT NEOPLASMS 185	950-959 SUICIDE 102	410-414 ISCHEMIC HEART DISEASE 90	869
40-44	ICDA CODE DEATHS	140-209 MALIGNANT NEOPLASMS 170	410-414 ISCHEMIC HEART DISEASE 169	571 CIRRHOSIS OF THE LIVER 69	734
45-49	ICDA CODE DEATHS	140-209 MALIGNANT NEOPLASMS 429	410-414 ISCHEMIC HEART DISEASE 382	571 CIRRHOSIS OF THE LIVER 94	1,380
50-54	ICDA CODE DEATHS	140-209 MALIGNANT NEOPLASMS 743	410-414 ISCHEMIC HEART DISEASE 674	571 CIRRHOSIS OF THE LIVER 132	2,276
55-59	ICDA CODE DEATHS	140-209 MALIGNANT NEOPLASMS 1,080	410-414 ISCHEMIC HEART DISEASE 1,080	460-519 DISEASE OF THE RESPIRATORY SYSTEM 195	3,330

RANK ORDER OF LEADING CAUSES OF DEATH BY AGE GROUP
MASSACHUSETTS RESIDENTS – 1976 (CONTINUED)

AGE GROUP	ICDA CODE DEATHS	RANK ORDER			TOTAL DEATHS DUE TO ALL CAUSES
		1	2	3	
60-64	ICDA CODE DEATHS	410-414 ISCHEMIC HEART DISEASE 1,505	140-209 MALIGNANT NEOPLASMS 1,376	460-519 DISEASE OF THE RESPIRATORY SYSTEM 249	4,439
65-69	ICDA CODE DEATHS	410-414 ISCHEMIC HEART DISEASE 2,001	140-209 MALIGNANT NEOPLASMS 1,712	460-519 DISEASE OF THE RESPIRATORY SYSTEM 403	5,668
70-74	ICDA CODE DEATHS	410-414 ISCHEMIC HEART DISEASE 2,503	140-209 MALIGNANT NEOPLASMS 1,662	430-438 CEREBROVASCULAR DISEASE 531	6,612
75-79	ICDA CODE DEATHS	410-414 ISCHEMIC HEART DISEASE 2,973	140-209 MALIGNANT NEOPLASMS 1,658	430-438 CEREBROVASCULAR DISEASE 808	7,732
OVER 79	ICDA CODE DEATHS	410-414 ISCHEMIC HEART DISEASE 7,833	430-438 CEREBROVASCULAR DISEASE 2,446	140-209 MALIGNANT NEOPLASMS 2,399	18,417
ALL AGES	ICDA CODE DEATHS	410-414 ISCHEMIC HEART DISEASE 19,224	140-209 MALIGNANT NEOPLASMS 11,595	430-438 CEREBROVASCULAR DISEASE 4,806	53,980

HEALTH MANPOWER

HEALTH MANPOWER

Statistical information about health professionals licensed by the Commonwealth is routinely collected as part of the license renewal process. The collection of this data is a cooperative effort on the part of the Boards of Registration which license the professionals, the Department of Public Health which compiles and disseminates the information, and the National Center for Health Statistics which pays a large share of the collecting costs and establishes uniform national standards. Almost all of the data presented in this section was collected at various times in 1976. The collection period varies according to profession. The dates of the license renewal cycles as well as the names and addresses of the licensing Boards are shown in the Glossary.

The first part of the Health Manpower section is devoted to profiles of thirteen licensed health professions. The tables which follow provide detailed comparisons between professions by selected characteristics and geographical area of practice. The first table shows the number of health professionals who renewed their Massachusetts license during 1976. The major category comprising the top third of the table consists of those non-federal personnel who work in Massachusetts or (in the case of those not reporting their place of work) whose mailing address is within the state. Federal personnel were excluded because federal employees are not necessarily licensed by the state in which they practice and, therefore, any enumeration of them via the licensing process must be presumed to be incomplete. Most of the tables in this section include only those persons shown on the first line of the table: i.e., non-federal Massachusetts professionals who reported themselves as actively working in their profession.

It is necessary to be aware of the marked differences in response rates to the question of whether a person was active or inactive within the profession. The federal guidelines for using this data recommend that a minimum response rate of 80% should be maintained in order for the data to be considered valid. All professions but two had at least an 85% response rate. Caution should be used, therefore, in analyzing the data on Pharmacists, whose response rate on activity was 71%, and Nursing Home Administrators, whose response rate was only 58%.

Another cautionary note pertains to the fact that data presented on two of the professions (Registered Nurses and Pharmacists) has not yet been edited. However, the high response rate of the Registered Nurses to the question on activity (94%) coupled with the large number who are licensed leads to the assumption that the data on Registered Nurses, with the possible exception of their distribution by city and town, is quite sound.

Because some health professionals neglect to fill out the section of the registration form pertaining to activity status, the number of active professionals is often underestimated. A new table has been added this year in order to provide a more reliable measure of the number of active professionals. The number of "estimated active health professionals" was obtained for each subarea by adding the number who reported themselves as active to a certain proportion of those who reported no activity status. That proportion was obtained by dividing those reporting as active by the total number who reported active or inactive activity status. That proportion, calculated for each subarea, was then applied to the number of those not reporting their activity status. The number thus obtained was added to those reporting as active.

An additional new table lists the density rank of each HSA subarea for each profession. It offers a quick reference as to the rank of any HSA subarea relative to all other subareas for the prevalence of a given profession per 100,000 population. For example, the ratios of estimated active physicians to 100,000 persons in the populations for HSA subarea IV-1 and HSA subarea II-3 are 545 and 61, respectively. Because these are the highest and lowest ratios of the 26 subareas, the ranks of 1 and 26 were assigned to them under the Physician column.

CHIROPRACTORS

There were 315 chiropractors licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 228 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

Chiropractors deal with the maintenance and restoration of health through integration of the nervous system and skeletal structure, specializing more particularly in the areas of the spine and pelvis. Applicants for licensure must graduate from a four year program approved by the Council on Chiropractic Education. Two years of college leading toward a bachelor's degree are required for entrance into such a program. Applicants must pass a written examination given by the Massachusetts Board.

Geographical Distribution

There are 4 chiropractors (based on adjusted rates) per 100,000 Massachusetts residents, or approximately 1 chiropractor for every 25,000 individuals. Chiropractors are geographically distributed in a way which differs from most other health professions, with the highest rate (7.4) occurring in HSA I, and the lowest rate occurring in HSA IV (2.1). The subarea including Boston has .8 chiropractors per 100,000 population.

Hours Worked

Chiropractors work an average (median) 40 hours per week, of which 35 hours are spent in patient care. Specialties are not asked of chiropractors.

Age, Sex, Race¹

Age		Sex		Race	
Under 45	52%	Male	97%	White	99%
45-64	41%	Female	3%	Black	—
65 & Over	8%	Not Reported	—	American Indian	—
Not Reported	—			Oriental	—
Median Age:	44 Yrs.			Other	—
				Not Reported	1%
Principal Work Setting		Type of Employer		Specialty	
Health Facility	2%	Self Employed	86%	Not applicable for chiropractors	
Practitioner's Office	86%	Privately Employed	5%		
School	1%	Other	< 1%		
Other	2%	Not Reported	8%		
Not Reported	8%				

¹Percentages under Age, Sex and Race for each profession may not always add to 100% due to rounding.

DENTAL HYGIENISTS

There were 2,727 dental hygienists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 1,570 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

Dental hygienists engage in educational, therapeutic, and prophylactic patient care activities under the general direction of a dentist. Applicants for licensure must have graduated from a training school for dental hygienists requiring a course of not less than one year, and approved by the Board of Registration in Dentistry. Full time dental students who have completed four full semesters of dental school are also eligible to apply for licensure. Candidates must pass an examination given by the Board.

Geographic Distribution

There are 3.1 dental hygienists (based on adjusted rates) per 10,000 Massachusetts residents, or approximately 1 hygienist for every 3,300 persons. They are not overwhelmingly concentrated in any particular area, with the highest rate in HSA VI, North Shore (3.9). Although the highest rate for dentists occurs in HSA IV, the Greater Boston Area (8.0), with even greater concentration in the area including Boston (10.0), this is not the case for dental hygienists. The Greater Boston Area rate for hygienists is 3.4 per 10,000, and for the area which includes Boston, 3.0.

Hours Worked

Dental hygienists work an average (median) of 32 hours per week, of which 28 hours per week are spent in patient care.

Age, Sex, Race

Age		Sex		Race	
Under 45	82%	Male	1%	White	94%
45-64	16%	Female	99%	Black	<1%
65 & Over	2%	Not Reported	1%	American Indian	<1%
Not Reported	<1%			Oriental	<1%
Median Age:	29 Yrs.			Other	<1%
				Not Reported	5%
Principal Work Setting		Type of Employer		Specialty	
Health Facility	3%	Self-Employed	—	No Specialty	59%
Practitioner's		Privately		Not Reported	18%
Office	76%	Employed	81%	School Health	8%
School	7%	Other	5%	Other Specialty	7%
Other	3%	Not Reported	15%	Public Health	4%
Not Reported	12%			Teaching	3%
				Administration	1%

DENTISTS

There were 5,204 dentists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 3,341 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

To be eligible for examination for licensure, applicants must have a diploma from a dental college meeting specifications determined by the Board of Registration in Dentistry. Candidates for licensure must also pass an examination given by the Board.

Geographical Distribution

There are 6.6 dentists (based on adjusted rates) per 10,000 Massachusetts residents, or approximately 1 dentist for every 1,500 individuals. HSA IV, the Greater Boston Area, has the highest rate (8.0); the sub-area including Boston has a rate of 10 dentists per 10,000 persons or 1 dentist for every 1,000 persons. HSA VI, North Shore, has the second highest rate (7.3); the area with the lowest rate is HSA III, Merrimack Valley, with a rate per 10,000 of 4.9. For the State, there are more than twice as many dentists as dental hygienists; in the area including Boston, there are nearly 3 times as many dentists as there are hygienists.

Hours Worked

Dentists work an average (median) of 40 hours per week, of which 38 are spent in patient care.

Age, Sex, Race

Age		Sex		Race	
Under 45	52%	Male	98%	White	94%
45-64	39%	Female	1%	Black	1%
65 & Over	9%	Not Reported	< 1%	American Indian	< 1%
Not Reported	< 1%			Oriental	1%
Median Age:	44 Yrs.			Other	< 1%
				Not Reported	4%

Principal Work Setting		Type of Employer		Specialty	
Health Facility	3%	Self-Employed	73%	General Practice	66%
Practitioner's Office	79%	Privately Employed	11%	Not Reported	10%
School	4%	Other	2%	Orthodontist	6%
Other	2%	Not Reported	13%	Oral Surgeon	5%
Not Reported	13%			Periodontist	4%
				Prosthodontist	3%
				Pedodontist	3%
				Endodontist	2%
				Public Health	1%
				Other Specialty	1%
				Oral Pathologist	1%

NURSING HOME ADMINISTRATOR

There were 1,114 nursing home administrators licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 588 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

A nursing home administrator is the person in general administrative charge of a nursing home, regardless of whether or not he or she has an ownership interest in the home. One must be licensed as a nursing home administrator to operate a Level I, II, or III home. Applicants for licensure must have a bachelor's degree and must complete a 6-month, full-time consecutive internship in a nursing home having at least 50 beds. They must also pass a national examination given by the National Association of Boards of Examiners.

Geographic Distribution

Adjusted activity rates are used for nursing home administrators as they are for other professions; however, because of the low response rate to the question regarding activity status, this information should be treated as a gross estimate for nursing home administrators. Only 588 reported that they were active and the adjusted figure for active administrators is 1,017. Based on this figure, there are 1.79 administrators per Massachusetts residents aged 65 and over, or approximately 1 administrator for every 650 persons 65 and over. There are 1.61 administrators per nursing home in Massachusetts, with a high of 1.9 per nursing home in HSA IV and a low of 1.2 per home in HSA VI, North Shore. HSA IV also had the highest number of administrators per 100 beds (2.9), with HSA III, Merrimack Valley, and HSA I, Wester Mass., having the lowest (1.9). Again, however, the adjustment to the activity status makes this information unreliable.

Hours Worked

Nursing home administrators work an average (median) of 40 hours per week.

Age, Sex, Race

Age		Sex		Race	
Under 45	39%	Male	55%	White	97%
45-64	56%	Female	45%	Black	1%
65 & Over	6%	Not Reported	—	American Indian	<1%
Not Reported	—			Oriental	—
Median Age:	48 Yrs.			Other	—
				Not Reported	2%

Principal Work Setting		Type of Employer	
Health Facility	81%	Self Employed	27%
Practitioner's Office	—	Privately Employed	48%
School	1%	Other	5%
Other	3%	Not Reported	20%
Not Reported	15%		

OPTOMETRISTS

There were 1,180 optometrists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 781 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

A Doctor of Optometry examines, diagnoses, and prescribes treatment for conditions of the vision system, primarily through prescription of spectacle or contact lenses and through the use of visual training/vision therapy. Applicants for licensure must have completed a Board approved four-year program in optometry. Two years of college leading toward a baccalaureate are a minimum requirement for entrance into such programs. Licensure applicants must also pass an examination given by the National Board and a three-day clinical and oral examination given by the Massachusetts Board of Registration in Optometry.

Geographical Distribution

There are 1.4 optometrists (based on adjusted rates) per 10,000 Massachusetts residents, or approximately 1 optometrist for every 7,000 persons. They are distributed fairly evenly throughout Massachusetts with a high of 1.6 optometrists per 10,000 in HSA IV and a low of 1.1 in HSA II.

Hours Worked

Optometrists work an average (median) of 40 hours per week, with the same number of hours in patient care.

Age, Sex, Race

Age		Sex		Race	
Under 45	33%	Male	97%	White	92%
45-64	57%	Female	3%	Black	—
65 & Over	10%	Not Reported	—	American Indian	—
Not Reported	—			Oriental	< 1%
Median Age:	51 Yrs.			Other	—
				Not Reported	8%

Principal Work Setting		Type of Employer		Specialty	
Health Facility	3%	Self Employed	85%	General Practice	89%
Practitioner's Office	88%	Privately Employed	11%	Contact Lenses	5%
School	3%	Other	1%	Other Specialty	2%
Other	2%	Not Reported	3%	Not Reported	2%
Not Reported	4%			Developmental	—
				Vision	1%
				Industrial Occupational Vision	1%
				Visual Training/Orthoptics	1%
				Aniseikonic Therapy	1%
				Subnormal/Low Vision	1%

PHARMACISTS

There were 6,839 pharmacists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 3,091 who were actively practicing, lived or worked in Massachusetts and were not federal employees.

Pharmacists interpret and evaluate prescription orders; compound, dispense, label, store, and maintain drugs and devices, and provide advice on the therapeutic values, contents, hazards and use of drugs and devices. Applicants for licensure must graduate from a nationally accredited five year school of pharmacy recognized by the Board of Registration for Pharmacists. In addition, applicants must serve an internship of 1500 hours under Board approved preceptors. Licensure applicants must pass a two-day examination conducted by the National Board as well as an examination on Massachusetts pharmacy laws.

Geographic Distribution

Geographic distribution based on place of work has not yet been tabulated for pharmacists.

Hours Worked

Pharmacists work an average (median) of 42 hours a week. Information on type of employer and specialty were not asked for pharmacists.

Age, Sex, Race

Age		Sex		Race	
Under 45	52%	Male	87%	White	94%
45-64	36%	Female	11%	Black	1%
65 & Over	8%	Not Reported	1%	American Indian	< 1%
Not Reported	4%			Oriental	1%
Median Age:	42 Yrs.			Other	< 1%
				Not Reported	4%

Principal Work Setting

Health Facility	19%
Practitioner's Office	—
School	1%
Other*	71%
Not Reported	8%

*Includes Pharmacies

PHYSICAL THERAPISTS

There were 1,823 physical therapists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 1,110 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

Physical therapists use treatments such as exercise, massage, heat, cold, water, sound, radiant energy, and electricity to alleviate physical or mental conditions. Physical therapists practice upon referral by physicians. Applicants for licensure must have graduated from a program approved by the American Medical Association in collaboration with the American Physical Therapy Association or an equivalent program. They must pass an examination given by the Board of Registration and Discipline in Medicine.

Geographical Distribution

There are 2.08 physical therapists (based on adjusted rates) per 10,000 Massachusetts residents, or approximately 1 physical therapist for every 4,800 individuals. HSA IV has the highest rate, with 2.98 physical therapists per 10,000; sub-area IV-1 is still higher, with a rate of 3.93 therapists. HSA I has the lowest rate of physical therapists per 10,000 (1.18).

Hours Worked

Physical therapists work an average (median) of 40 hours per week, of which 30 hours per week are spent in patient care.

Age, Sex, Race

Age		Sex		Race	
Under 45	77%	Male	13%	White	94%
45-64	17%	Female	87%	Black	1%
65 & Over	5%	Not Reported	—	American Indian	—
Not Reported	—			Oriental	1%
Median Age:	30 Yrs.			Other	< 1%
				Not Reported	4%

Principal Work Setting		Type of Employer		Specialty	
Health Facility	68%	Self Employed	16%	Community Health	23%
Practitioner's Office	4%	Privately Employed	66%	Other	23%
School	8%	Other	10%	Not Reported	22%
Other	14%	Not Reported	7%	Self-Employed	16%
Not Reported	6%			Administration	9%
				Education	5%
				Sports Medicine	1%
				Research	< 1%

PHYSICIANS

There were 14,247 physicians licensed by Massachusetts as of December, 1976. Data, however, is collected on physicians via the license renewal process and, therefore, is only available for the 12,503 who renewed their license in 1976. The data presented in the following tables pertains only to the 10,958 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

To qualify for examination for licensure, a physician must complete four years of study (or its equivalent) at a legally chartered medical school, and obtain a degree of Doctor of Medicine (or its equivalent) from such a school. A minimum of two years of premedical study in an approved program prior to entrance in the medical school are also a requirement. To be licensed, applicants must pass an examination given by the Board of Registration and Discipline in Medicine. The Board may choose to accept, in lieu of its own examination, a certificate from the National Board of Medical Examiners of the U.S. or the National Board of Examination for Osteopathic Physicians and Surgeons.

Geographic Distribution

There are 1.88 physicians per 1,000 Massachusetts residents, or approximately 1 physician for every 530 individuals. This rate is strikingly higher in HSA IV, the Greater Boston Area (2.99), and the sub-area containing Boston has 5.45 physicians per 1,000 population. The lowest rate of physicians occurs in HSA III (.99 per 1,000 residents).

Hours Worked

Physicians work an average (median) of 55 hours per week, of which 45 hours per week are spent in patient care.

Age, Sex, Race

Age		Sex		Race	
Under 45	51%	Male	92%	White	72%
45-64	36%	Female	8%	Black	1%
65 & Over	13%	Not Reported	< 1%	American Indian	< 1%
Not Reported	—			Oriental	2%
Median Age:	44 Yrs.			Other	1%
				Not Reported	23%

Principal Work Setting		Type of Employer	
Health Facility	53%	Self Employed	42%
Practitioner's Office	42%	Privately Employed	30%
School	3%	Other	4%
Other	2%	Not Reported	24%
Not Reported	< 1%		

PHYSICIAN ASSISTANTS

Physician assistants are those individuals who have graduated from a physician assistant program approved by the Board of Approval and Certification of Physician Assistant Training Programs. They must file a "Notification of Employment" form giving information regarding their credentials, where they will be employed, and listing their supervising physician. At this time the Board will determine whether their program has been reviewed and approved or is eligible for approval. Only those who have graduated from programs approved by the American Medical Association Council on Education, for the training of physician assistants, and also approved by the Massachusetts Board, may work in the Commonwealth using the title "Physician Assistant".

Currently there are 50 such programs in the nation. The only one located in Massachusetts is at Northeastern University. It is similar to many of the others in that it is a two year program offered at the college level.

Physician assistants must be supervised by a licensed physician; no physician may supervise more than two physician assistants. The current number on the Board's Roster (102) may be a very low estimate, as many physician assistants may not be aware of the requirement to file notice of employment with the Board. It is estimated that there may be as many as 200 physician assistants working in Massachusetts.

Data is not collected on a routine basis on physician assistants; the following information is based on data provided by physician assistants when they originally registered with the Board.

Sex		Type of Work Setting		Year of Registration as a Physician Assistant in Massachusetts	
Male	59%	Hospital	36%	1973	1%
Female	41%	Clinic	26%	1974	21%
		Physician's		1975	8%
		Office	26%	1976	23%
		School	5%	1977	39%
		Other	6%	1978	9%
		Unknown	2%	(Jan.-Mar. Only)	

PODIATRISTS

There were 545 podiatrists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 376 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

Podiatry is concerned with the examination, diagnosis, treatment, prevention, and care of the conditions and functions of the human foot through medical and surgical means. Applicants for licensure must graduate from one of five approved colleges of podiatric medicine, all of which offer four year programs. Two years of college leading toward a bachelor's degree is a requirement for entrance into a college of podiatry. Licensure applicants must pass a written examination given by the National Board and a practical examination given by the Massachusetts Board of Registration in Podiatry.

Geographical Distribution

There are 6.67 podiatrists (based on adjusted rates) per 100,000 Massachusetts residents, or approximately 1 podiatrist for every 15,000 individuals. HSA IV has the highest rate of podiatrists per 100,000 (8.0) with the subarea including Boston still higher (10.8). The lowest rate of podiatrists per 100,000 is in the HSA V (4.8).

Hours Worked

Podiatrists work an average (median) of 40 hours per week, with the same number of hours in patient care.

Age, Sex, Race

Age		Sex		Race	
Under 45	14%	Male	95%	White	96%
45-64	60%	Female	5%	Black	1%
65 & Over	26%	Not Reported	1%	American Indian	—
Not Reported	—			Oriental	—
Median Age:	59 Yrs.			Other	—
				Not Reported	3%
Principal Work Setting		Type of Employer		Specialty	
Health Facility	7%	Self Employed	80%	General Practice	84%
Practitioner's Office	80%	Privately Employed	6%	Foot Orthopedics	5%
School	—	Other	1%	Podogeriatrics	3%
Other	4%	Not Reported	13%	Not Reported	3%
Not Reported	9%			Surgery	2%
				Other Specialty	2%
				Podiatric	
				Dermatology	1%
				Roentgenology	1%
				Podopediatrics	—

TABLE 15

PSYCHOLOGISTS

There were 1644 psychologists licensed in 1976 by Massachusetts. The data presented in the following tables pertains only to the 1402 who were actively practicing, lived or worked in Massachusetts, and were not federal employees.

Psychologists provide such services as testing, diagnosis, prevention, treatment of adjustment problems or mental and emotional disorders, counseling, psychotherapy, hypnosis, personnel selection, conflict mediation, development of educational programs, attitude/opinion assessment, improvement of marketing and advertising, and psychological research on the causes and dynamics of human behavior. Applicants for licensure must have a doctorate in psychology or a closely related field from a recognized educational institutional. In addition, two years of experience, at least one year of which must be post-doctorate, supervised by a licensed psychologist or an individual clearly eligible for licensure in the opinion of the Board are required. Licensure applicants must pass a national examination written for the American Association of State Psychiatry Boards.

Geographical Distribution

There are 2.43 psychologists (based on adjusted rates) per 10,000 Massachusetts residents, or approximately 1 psychologist for every 4,000 individuals. By far the highest rate occurs in HSA IV (3.93). Within HSA IV, subareas 1, 2, and 3 are strikingly higher than subareas 4 and 5, which have rates which are comparable to the rest of the state. The lowest rate per 10,000 occurs in HSA V (1.01).

Hours Worked

Psychologists work an average (median) 40 hours per week, of which 20 hours are spent in patient care. Specialists were not applicable for psychologists.

Age, Sex, Race

Age		Sex		Race	
Under 45	49%	Male	62%	White	83%
45-64	36%	Female	28%	Black	1%
65 & Over	3%	Not Reported	11%	American Indian	—
Not Reported	12%			Oriental	1%
Median Age:	43 Yrs.			Other	1%
				Not Reported	15%

Principal Work Setting		Type of Employer		Specialty
Health Facility	27%	Self Employed	24%	Not Applicable for Psychologists
Practitioner's Office	21%	Privately Employed	37%	
School	34%	Other	36%	
Other	14%	Not Reported	4%	
Not Reported	4%			

REGISTERED NURSES

The data presented in the following tables pertains only to the 39,985 registered nurses who are actively practicing and live or work in Massachusetts.

Applicants for a nurse's license must graduate from one of three types of programs ranging from two to four years in length. These include diploma school programs, Associate of Arts in Nursing, and Bachelor of Arts in Nursing. They must pass a "State Board Test Pool Examination," a two-day, written examination given by the National League of Nursing.

Geographical Distribution

There are 7.26 registered nurses (based on adjusted rates) per 1,000 Massachusetts residents, or approximately 1 nurse for every 140 individuals. HSA IV has the highest rate of nurses per 1,000 population (8.47), with sub-area IV-1, the area which contains Boston, showing a rate of 12.78 nurses per 1,000 residents. HSA V has the lowest rate of nurses per 1,000 population (5.75). The distribution of nurses closely approximates the distribution of physicians.

Age, Sex, Race

Age		Sex		Race	
Under 45	69%	Male	2%	White	96%
45-64	27%	Female	93%	Black	1%
65 & Over	2%	Not Reported	5%	American Indian	< 1%
Not Reported	3%			Oriental	< 1%
Median Age:	35 Yrs.			Other	< 1%
				Not Reported	2%

Principal Work Setting

Health Facility	74%
Practitioner's Office	3%
School	7%
Other	14%
Not Reported	1%

Registered Nurses (RN's) are by far the Commonwealth's largest health profession. There were 78,000 who renewed their licenses in 1976; 40,000 were active in nursing in Massachusetts. Another 18,000 were living in the Commonwealth, but not actively practicing as nurses; 11,600 practiced out of state, and the remaining 8,400 were inactive and lived out of state.

	39,985	24,647 worked FT in nursing
	Worked in MA	15,338 worked PT in nursing
78,197	17,855	11,960 neither worked nor sought work
(Licensed	Lived in MA	1,476 worked in non-nursing field
by MA)	but didn't	511 unemployed—sought work in nursing
	work in nursing	3,908 didn't report employment status
	20,357	11,649 worked in nursing
	Neither worked	8,908 didn't work in nursing
	nor lived in MA	

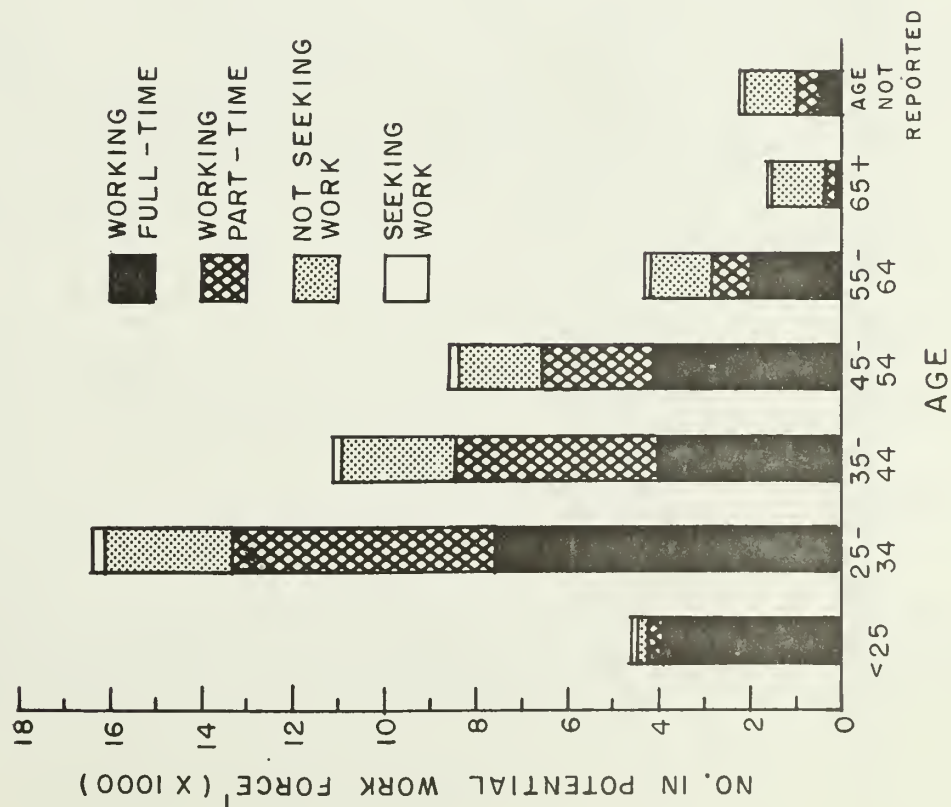
Those RN's working in Massachusetts are predominantly white, married women (of those reporting these traits 98% were Caucasian, 62% were married and 98% were female.)

The large proportion of RN's in Massachusetts who were not working or seeking work coupled with the high proportion who worked part time (38% of those working) and the high proportion of married women led to the supposition that marital status might have a profound impact upon employment patterns of registered nurses.

The next five graphs attempt to illustrate the roles age and marital status play on the "potential work force" of female RN's in Massachusetts. All female RN's who reported that they were working in nursing or were not currently employed were included in this group while those women who worked in fields other than nursing as well as those who did not report their employment status were excluded.

The first two graphs show the age distribution of the work force versus employment status and marital status respectively. The third graph shows the percentage of the work force who were "active" in nursing (i.e., either employed or seeking employment in nursing), by age and marital status; married women began to drop out of the work force in their mid-twenties with over one quarter of those in their thirties being inactive. Those married women in the 40-55 age group have a higher percentage who are active which may indicate that a certain proportion return to work after raising children. The fourth graph is similar to the third, but shows only those women in the potential work force who work full time. The effect of marriage on the work force is even more dramatically illustrated as only one out of five married RN's in their thirties work full time, while this ratio doubles for those in their fifties. The last graph illustrates the percentage of female RN's working in nursing who worked full time. Only 30% of working nurses in their thirties who are married work full time while the other 70% work part time. About half of the female married working nurses in their late forties work full time while more than 60% of those in their late fifties work full time.

AGE AND EMPLOYMENT STATUS OF POTENTIAL WORK FORCE
OF FEMALE REGISTERED NURSES IN MASSACHUSETTS



AGE AND MARITAL STATUS OF POTENTIAL WORK FORCE
OF FEMALE REGISTERED NURSES IN MASSACHUSETTS

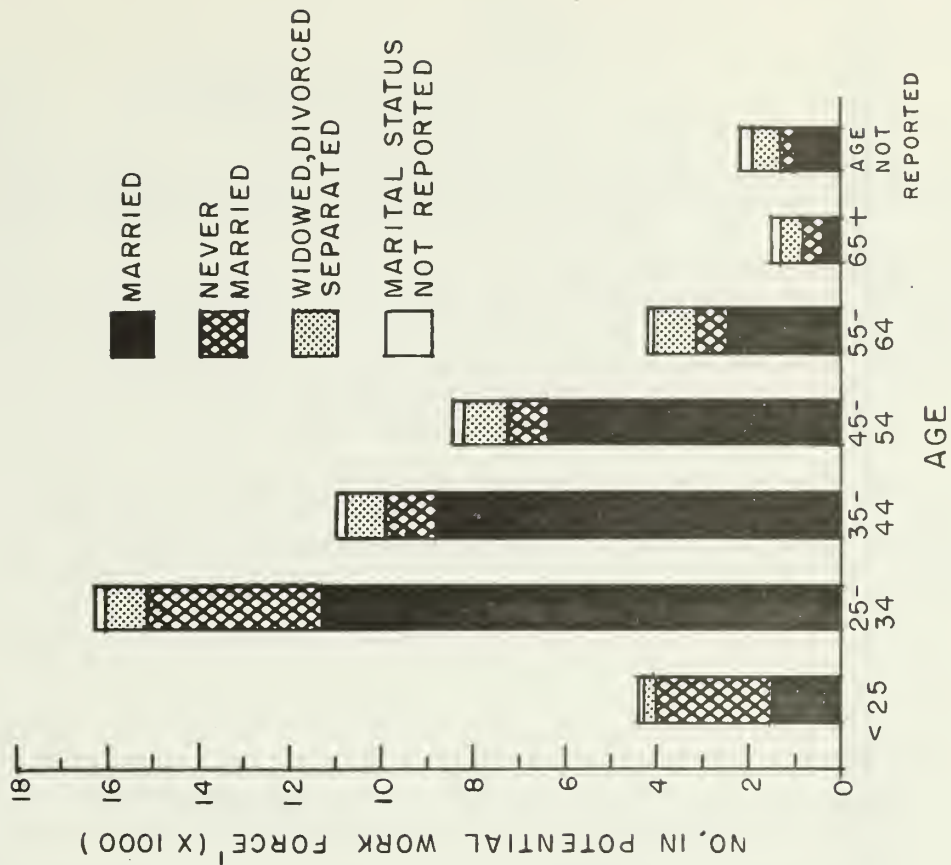


FIGURE 7

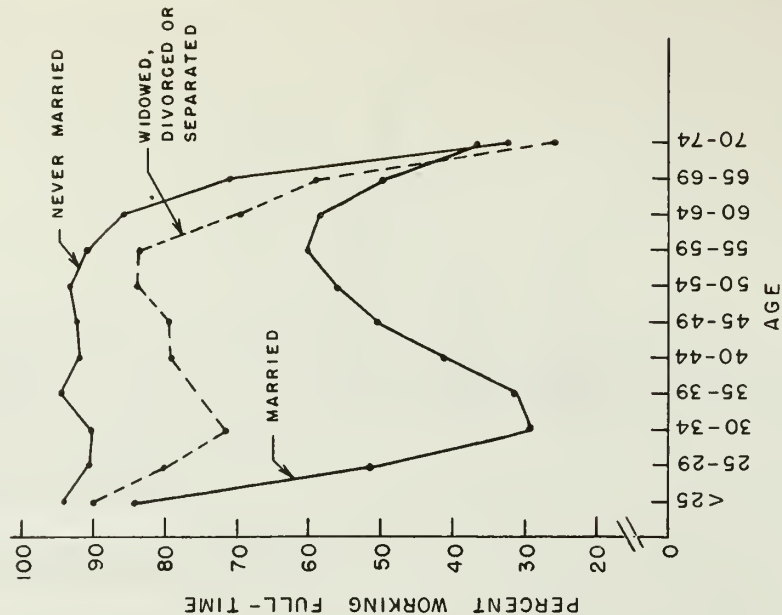
FIGURE 8

FIGURE 9

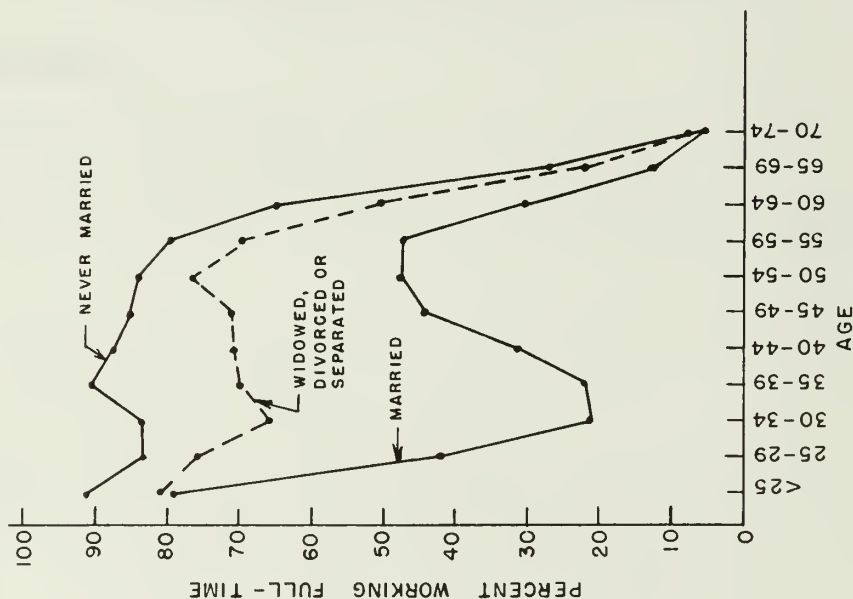
FIGURE 10

FIGURE 11

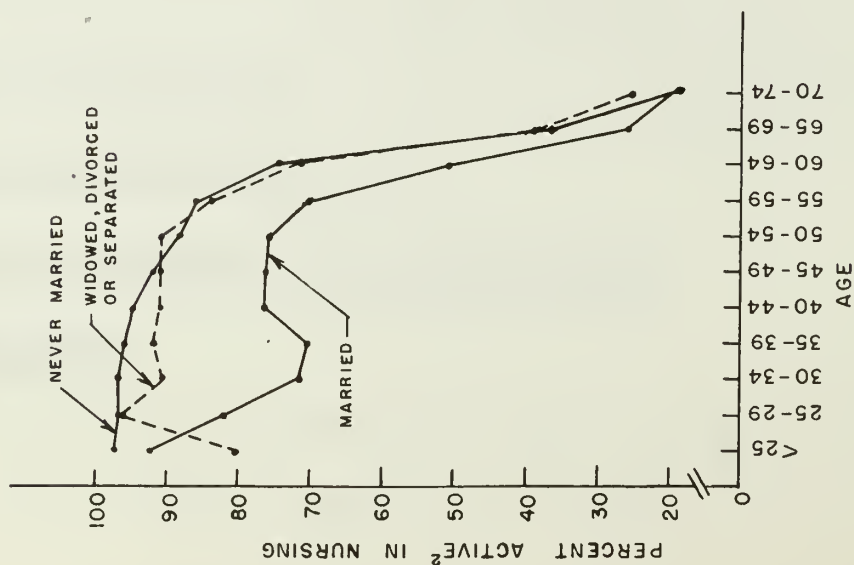
PERCENT OF FEMALE REGISTERED NURSES IN MASSACHUSETTS
WORKING IN NURSING WHO WORKED FULL-TIME,
BY AGE AND MARITAL STATUS



PERCENT OF POTENTIAL WORK FORCE OF FEMALE REGISTERED NURSES
IN MASSACHUSETTS WHO WORKED FULL-TIME,
BY AGE AND MARITAL STATUS



PERCENT OF POTENTIAL WORK FORCE OF FEMALE REGISTERED NURSES
IN MASSACHUSETTS WHO WERE ACTIVE IN NURSING,
BY AGE AND MARITAL STATUS



VETERINARIANS

There are 862 veterinarians licensed by Massachusetts. The data presented in the following tables pertains only to the 421 who are actively practicing, lived or worked in Massachusetts, and are not federal employees.

Applicants for licensure as veterinarians must have completed four years of college in a legally chartered school of veterinary medicine approved by the American Veterinary Medical Society and hold a degree of Doctor of Veterinary Medicine (or its equivalent) from such a school. Prior to admission to such a program, they must complete at least two years at an approved college where their studies include chemistry and biology. Applicants must also pass an examination given by the Board.

Geographical Distribution

There are 7.6 veterinarians (based on adjusted rates) per 100,000 Massachusetts residents, or approximately 1 veterinarian per 13,150 individuals. They follow a somewhat different pattern from most of the other health professions, with the highest rate per 100,000 occurring in HSA V, Southeast Massachusetts (8.5), and the lowest in HSA III, Merrimack Valley (5.6)

Age, Sex, Race

Age		Sex		Race	
Under 45	60%	Male	90%	White	95%
45-64	33%	Female	10%	Black	2%
65 & Over	6%	Not Reported	—	American Indian	—
Not Reported	—			Oriental	1%
Median Age:	39 Yrs.			Other	1%
				Not Reported	2%

Principal Work Setting		Type of Employer		Specialty	
Health Facility	4%	Self Employed	54%	Small Animal Practice (Exclusive)	61%
Practitioner's Office	5%	Privately Employed	36%	Mixed Practice (Over 50% Small)	15%
School	3%	Other	4%	Clinician	4%
Other	83%*	Not Reported	6%	Other Specialty	4%**
Not Reported	5%			Equine Practice (Exclusive)	3%
*Includes Animal Treatment				Mixed Practice (50-50 Large & Small)	3%
				Pathology	3%
				Laboratory	
				Animal Med	2%
				Diagnostician	1%
				Mixed Practice (Over 50% Large)	1%
				Surgery	1%
				Veterinary Public Health	1%
				Not Reported	1%

**One or two veterinarians (less than 1%) who reported in each of the following categories are included in "other": Biochemistry, Bovine practice (exclusive), extension, large animal practice, microbiology, ophthalmology, avian pathology, clinical pathology, physiology, radiology regulatory practice, zoo animals.

HEALTH PROFESSIONALS LICENSED IN MASSACHUSETTS — 1976

NON-FEDERAL PROFESSIONALS LIVING OR PRACTICING IN MASS.	A C T I V E	C H I R O P R A C T I C I A N S	O D O N T A L H Y G I E N I S T S	D E N T I S T S	L I C E N S E D P R A C T I C A L N U R S E S	N U R S I N G H O M E A D M I N I S T R A T O R S	O P T O M E - T R I S T S	P H A R M - A C I S T S	P H Y S I C A L T H E R A P I S T S	P H Y S I C I A N S	P O D I A T R I S T S	P S Y C H O L O - G I S T S	R E G I S T E R E D N U R S E S	V E T E R I N - A R I A N S
NON-FEDERAL PROFESSIONALS LIVING OR PRACTICING IN MASS.	ACTIVE	228	1,570	3,341	N O T	586	781	3,091	1,110	10,958	376	1,402	39,985	421
	INACTIVE	6	276	76		24	37	563	147	305	49	7	14,340	7
	UNKNOWN	4	328	485		447	34	1,514	115	1	13	14	3,515	21
SUBTOTAL		238	2,174	3,902	A V A I L A B L E	1,059	852	5,168	1,372	11,264	438	1,423	57,840	449
NON-FEDERAL PROFESSIONALS WHO DO NOT LIVE OR WORK IN MASSACHUSETTS		77	518	1,171		54	309	1,671	379	717	104	120	20,357	381
FEDERAL PROFESSIONALS		0	35	131		1	19	NA ¹	72	522	3	101	NA ¹	32
TOTAL PROFESSIONALS LICENSED BY MASSACHUSETTS WHO RENEWED THEIR MASSACHUSETTS LICENSE IN 1976.		315	2,727	5,204	25,612 ²	1,114	1,180	6,839	1,823	12,503	545	1,644	78,197	862

¹ INFORMATION ABOUT EMPLOYERS NOT AVAILABLE ON THESE PROFESSIONS; THEREFORE ALL ARE SHOWN AS NON-FEDERAL² NUMBER LICENSED AS OF 1-1-78

SEX AND AGE DISTRIBUTION OF HEALTH PROFESSIONALS ACTIVELY PRACTICING IN MASSACHUSETTS — 1976

SEX AND AGE	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	NURSING HOME ADMIN	OPTOME- TRISTS	PHARM- ACISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	REGISTERED NURSES	VETERIN- ARIANS
MALES, TOTAL (#)	222	8	3,286	321	758	2,703	139	10,034	358	857	679	379
UNDER 25 YEARS	—	25.0	0.1	1.9	—	4.3	7.9	0.0	—	—	7.8	—
25-34	29.3	75.0	28.0	28.9	18.9	25.1	39.5	22.4	7.3	22.3	54.1	37.6
35-44	22.5	—	24.2	15.6	13.6	21.5	15.1	28.0	7.5	33.2	19.9	21.1
45-54	26.1	—	21.5	25.9	28.0	21.0	16.6	19.8	22.3	30.5	11.9	17.9
55-64	14.9	—	17.6	22.7	29.0	16.4	12.3	16.8	37.2	10.2	4.9	16.6
65-74	5.0	—	5.8	4.7	8.7	7.5	7.2	10.5	19.6	2.6	0.4	6.3
75 AND OVER	2.2	—	2.7	0.3	1.8	1.3	1.4	2.5	6.1	0.6	—	0.5
NOT REPORTED	—	—	0.1	—	—	2.9	—	—	—	0.6	1.0	—
MEDIAN AGE	43.5	28.5	44	46	51	44	44	44	59	43	32	40
FEMALES, TOTAL (#)	6	1,556	50	267	23	347	971	923	17	373	37,216	42
UNDER 25 YEARS	—	28.2	—	0.4	—	15.0	17.5	—	—	—	11.5	—
25-34	16.7	37.8	44.0	12.0	30.4	34.6	48.6	33.7	—	24.4	35.9	61.9
35-44	33.2	16.0	18.0	17.2	8.7	28.1	14.9	18.1	—	32.7	22.6	14.3
45-54	16.7	9.9	18.0	38.5	17.4	17.9	10.1	17.2	23.5	26.8	18.0	14.3
55-64	16.7	6.4	16.0	25.5	39.1	7.2	4.3	12.0	52.9	13.1	7.9	9.5
65-74	16.7	1.3	2.0	6.0	4.4	1.7	3.7	6.2	17.7	2.7	1.2	—
75 AND OVER	—	0.3	2.0	0.4	—	1.4	0.9	2.8	5.9	—	0.1	—
NOT REPORTED	—	.1	—	—	—	2.9	—	—	—	0.3	2.8	—
MEDIAN AGE	49	29	39	50	52	33	29	40	57	42	35	33
TOTALS, BOTH SEXES (#)	228	1,570	3,341	588	781	3,091	1,110	10,958	376	1,402	39,985	421
UNDER 25 YEARS	—	28.2	0.1	1.2	—	5.5	16.3	0.0	—	—	11.0	—
25-34	28.9	37.8	28.2	21.3	19.2	25.9	46.1	23.4	6.9	20.2	35.2	39.9
35-44	22.8	15.9	24.1	16.3	13.4	21.0	15.0	27.9	7.2	29.0	22.5	20.4
45-54	25.9	9.9	21.4	31.6	27.7	20.4	10.9	19.6	22.3	26.0	18.3	17.6
55-64	14.9	6.4	17.5	24.0	29.3	15.2	6.6	16.4	37.8	9.8	8.4	15.9
65-74	5.3	1.3	5.8	5.3	8.6	6.9	4.1	10.2	19.7	2.3	1.4	5.7
75 AND OVER	2.2	0.3	2.8	0.3	1.8	1.3	1.0	2.5	6.1	0.4	0.1	0.5
NOT REPORTED	—	0.2	0.1	—	—	3.8	—	—	—	12.3	3.1	—
MEDIAN AGE	44	29	44	48	51	42	30	44	59	43	35	39

1 INCLUDES UNKNOWN SEX

HIGHEST LEVEL OF EDUCATION
OF LICENSED HEALTH PROFESSIONALS - 1976

	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	LICENSED PRACTICAL NURSES	NURSING HOME ADMIN	OPTOME- TRISTS	PHARM- ACISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	REGISTERED NURSES	VETERIN- ARIANS
EDUCATION TOTAL #	228	1,570	3,341	25,612	588	781	3,091	1,110	10,958	376	1,402	39,985	421
P	-	-	-	NOT	-	-	SEE	.2	-	.3	-	-	-
E	16.7	2.4	.2	NA	19.5	1.7	PROFILE	1.7	-	9.8	-	-	-
R	-	1.3	-	VA	20.5	-	FOR	.8	-	-	-	69.9	-
C	4.0	86.4	-	ALL	10.2	5.3	PHARM-	7.4	-	10.1	-	8.4	-
E	7.5	7.0	.4	LA	22.3	6.8	ACISTS	78.0	-	5.9	.5	14.8	1.7
N	-	1.7	.1	BA	10.2	.9		6.4	-	.5	24.5	4.8	-
T	62.6	.3	99.3	LE	2.7	84.8		1.3	100.0	67.5	74.2	.2	98.3
A	9.2	.9	-		14.6	.5		4.2	-	5.9	.8	1.9	-
G													
E													
NOT REPORTED													

MEDIAN HOURS WORKED PER WEEK AND MEDIAN HOURS WORKED IN DIRECT PATIENT CARE
BY AGE AND HEALTH PROFESSION

MEDIAN HOURS WORKED PER WEEK	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	LICENSED PRACTICAL NURSES	NURSING HOME ADMIN	OPTOME- TRISTS	PHARM- ACISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	REGISTERED NURSES	VETERIN- ARIANS
RESPONSE RATE %	100	86.6	89.2		88.3	96.7	86.9	94.1	64.9	97.1	98.4		95.2
TOTAL HOURS ALL AGES	40	32	40	N O T A V A I L A B L E	40	40	42	40	55	40	40	N O T A V A I L A B L E	50
UNDER 25	0	36	48		40	0	40	40	*	0	0		0
25-34	40	32	40		40	40	43	40	58	40	40		50
35-44	40	20	40		40	40	45	32	56	42	40		55
45-54	40	24	40		40	40	45	40	55	40	40		50
55-64	35	32	40		40	40	40	40	52	40	40		50
65-74	36	30	32		40	40	30	40	40	35	30		40
OVER 74	27	24	25		0	30	42	30	30	30	43		14
HOURS IN DIRECT PATIENT CARE/ALL AGES	35	28	38		0	40	-	30	45	40	20		50
UNDER 25	0	35	36		0	0	-	40	*	0	0		0
25-34	35	28	40		0	40	-	30	45	40	22		50
35-44	35	17	40		0	40	-	20	45	40	19.5		50
45-54	40	22.5	38		0	40	-	30	45	40	15		50
55-64	35	26	37		0	40	-	27.5	45	40	15		50
65-74	32	28	30		0	35	-	20	32	34.5	10		32.5
OVER 74	20	24	25		0	26	-	27	20	20	10		13

* MEDIAN NOT CALCULATED FOR GROUPS OF 5 OR LESS.

TABLE 22

DISTRIBUTION OF HEALTH PROFESSIONALS
REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY HEALTH SERVICE AREA AND SUBAREA OF PRACTICE

HSA	SUB AREA	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	NURSING HOME ADMIN	OPTOME- TRISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	RN'S	VETERIN- ARIANS
I	ALL	60	222	410	67	94	87	1,082	45	184	5,217	64
	1	14	34	82	15	25	14	220	7	38	1,045	13
	2	13	46	81	13	19	21	195	7	74	1,137	22
	3	33	142	247	39	50	52	667	31	72	3,035	29
II	ALL	32	163	292	70	75	105	866	36	111	4,472	54
	1	14	54	87	19	22	31	181	9	32	1,105	13
	2	9	74	138	31	26	62	549	19	66	2,576	23
	3	9	35	67	20	27	12	136	8	13	791	18
III	ALL	22	115	204	43	59	61	472	34	57	2,878	24
	1	4	48	78	18	24	23	180	11	27	1,233	7
	2	13	35	77	12	19	26	184	15	18	950	8
	3	5	32	49	13	16	12	108	8	12	695	9
IV	ALL	45	648	1,568	255	345	610	6,643	170	865	17,759	160
	1	5	207	680	98	155	290	4,225	79	353	9,513	52
	2	9	112	255	40	66	116	950	30	218	2,842	31
	3	19	191	340	52	72	108	921	34	241	3,018	38
	4	4	59	110	20	21	39	193	9	23	860	17
	5	8	79	183	45	31	57	354	18	30	1,529	22
V	ALL	36	196	450	91	114	114	1,033	45	96	5,186	78
	1	5	20	38	7	9	5	87	4	11	375	10
	2	6	36	91	22	17	26	215	8	26	1,290	12
	3	3	24	61	7	17	20	82	8	11	467	19
	4	2	14	29	15	11	12	79	5	8	558	8
	5	5	21	46	12	18	10	170	4	3	917	2
	6	10	17	69	12	21	10	161	6	17	648	7
	7	5	64	116	16	21	31	239	10	20	931	20
	ALL	33	218	417	62	94	133	862	46	88	4,182	41
	1	7	42	70	9	15	20	136	6	20	718	8
VI	2	9	45	89	12	19	29	207	13	21	1,177	11
	3	5	47	95	13	23	24	193	7	11	756	8
	4	3	58	76	16	16	30	140	7	14	758	7
	5	9	26	87	12	21	30	186	13	22	773	7
	ALL	33	218	417	62	94	133	862	46	88	4,182	41
UNKNOWN			8				1				291	
STATE TOTAL		228	1,570	3,341	588	781	1,110	10,958	376	1,402	39,985	421

DISTRIBUTION OF ACTIVE LICENSED HEALTH PROFESSIONALS BY TYPE OF EMPLOYER
(NOT INCLUDING FEDERAL EMPLOYEES)

TYPE OF EMPLOYER	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	LICENSED PRACTICAL NURSES	NURSING HOME ADMIN	OPTOME- TRISTS	PHARM- ACISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	REGISTERED NURSES	VETERIN- ARIANS
<u>SELF EMPLOYED</u>													
SOLO PRACTICE	# 182 %	-	2,060 61.7		77 13.1	597 76.4		163 14.7	3,040 27.7	290 77.1	277 19.8		186 43.9
PARTNERSHIP OR GROUP	# 15 %	-	388 11.6		82 13.9	64 8.2		17 1.5	1,536 14.0	11 2.9	62 4.4		44 10.5
SUB-TOTAL	# 197 %	-	2,448 73.3		159 27.0	661 84.6		180 16.2	4,576 41.8	301 80.1	339 24.2		229 54.4
<u>PRIVATELY EMPLOYED</u>													
EMPLOYED BY:													
INDIVIDUAL PRACTITIONER	# 7 %	976 62.2	147 4.4		22 3.7	25 3.2		34 3.1	137 1.3	11 2.9	40 2.9		59 14.0
PARTNERSHIP OR GROUP	# 3 %	185 11.8	99 3.0		10 1.7	16 2.1		12 1.2	423 3.9	3 0.8	33 2.4		48 11.4
HEALTH FACILITY, SCHOOL, OR OTHER NON-GOVERNMENT INST.	# 2 %	104 6.6	138 4.1		250 42.5	47 6.0		692 62.3	2,743 25.0	9 2.4	439 31.3		46 10.9
SUB-TOTAL	# 12 %	1,265 80.6	384 11.5		282 48.0	88 11.3		738 66.5	3,303 30.1	23 6.1	512 36.5		153 36.3
<u>GOVT. EMPLOYED</u>													
LOCAL/COUNTY	# 1 %	40 2.6	19 .6		13 2.2	1 0.1		42 3.8	85 0.8	-	134 9.6		-
STATE	# 0 %	25 1.6	18 .5		9 1.5	1 0.1		60 5.4	361 3.2	1 0.3	331 23.6		11 2.6
SUB-TOTAL	# 1 %	65 4.1	37 1.1		22 3.7	2 0.2		102 9.2	446 4.1	1 0.3	485 33.2		11 2.6
OTHER	# 1 %	6 0.4	30 0.9		6 1.0	3 0.4		11 1.0	21 0.2	2 0.5	36 2.6		4 1.0
NOT REPORTED	# 17 %	234 14.9	442 13.2		119 20.3	27 3.5		79 7.1	2,612 23.8	49 13.0	50 3.5		24 5.7
TOTAL	# 228 %	1,570 100.0	3,341 100.0		588 100.0	781 100.0		1,110 100.0	10,958 100.0	376 100.0	1,402 100.0		421 100.0

TABLE 24

DISTRIBUTION OF ACTIVE LICENSED HEALTH PROFESSIONALS BY PRINCIPAL WORK SETTING
(NOT INCLUDING FEDERAL EMPLOYEES)

PRINCIPAL WORK SETTING	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	LICENSED PRACTICAL NURSES	NURSING HOME ADMIN	OPTOME- TRISTS	PHARM- ACISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	REGISTERED NURSES	VETERIN- ARIANS
HEALTH FACILITIES	#	13	65		16	6	553	606	5,338	8	205	25,511	15
HOSPITAL	%	0.8	1.9		2.7	0.8	17.9	54.6	48.7	2.1	14.6	63.8	3.6
NURSING HOME	#	1	—		461	1	13	106	47	14	1	4,170	—
	%	0.1	—		78.4	0.1	0.4	9.5	0.4	3.7	0.1	10.4	—
FREE-STANDING CLINIC	#	27	38		—	9	30	36	310	3	163	NA	3
	%	1.7	1.1		—	1.2	1.0	3.2	2.8	0.8	11.6	—	0.7
PREPAID (H.M.O.)	#	3	4		—	10	NA	5	76	—	8	NA	—
	%	0.2	0.1		—	1.3	—	0.5	0.7	—	0.6	—	—
PRACTITIONER'S OFFICE (SOLO, PART., GROUP)	#	1,201	2,638		—	691	NA	48	4,583	302	293	1,265	19
	%	76.5	79.0		—	88.5	—	4.3	41.8	80.3	20.9	32	4.5
SUB-TOTAL	#	1,245	2,745		477	717	596	801	10,354	327	670	30,946	37
	%	79.3	82.2		81.1	91.8	19.3	72.1	94.5	87.0	47.8	77.4	8.8
SCHOOLS	#	30	132		2	19	34	31	260	—	78	1,287	11
MEDICAL OR OTHER HEALTH DISCIPLINE	%	1.9	4.0		0.3	2.4	1.1	2.8	2.4	—	5.6	3.2	2.6
SCHOOL TREATMENT CTR. OF HANDICAPPED	#	3	1		—	—	NA	36	14	—	30	NA	—
	%	0.2	—		—	—	—	3.2	0.1	—	2.1	—	—
ELEMENTARY, HIGH SCHOOL, COLLEGE, OTHER	#	73	1		1	1	NA	18	73	—	366	1,640	2
	%	4.6	—		0.2	0.1	—	1.6	0.7	—	26.1	4.1	0.5
SUB-TOTAL	#	106	134		3	20	34	85	347	—	474	2,927	13
	%	6.8	4.0		0.5	2.6	1.1	7.7	3.2	—	33.8	7.3	3.1
OTHERS	#	—	1		—	1	NA	114	14	9	2	NA	1
PATIENTS' HOMES	%	—	—		—	0.1	—	10.3	0.1	2.4	0.1	—	0.2
BUSINESS ESTABLISHMENTS	#	2	8		2	5	NA	2	80	2	24	NA	1
	%	—	0.2		0.3	0.6	—	0.2	0.7	0.5	1.7	—	0.2
HEALTH ADMINISTRATION/ REGULATION	#	5	4		6	—	NA	4	32	—	18	NA	1
	%	0.3	0.1		1.0	—	—	0.4	0.3	—	1.3	—	0.2
OTHER SETTINGS (INCLUDING ANIMAL TREATMENT CTRS.)	#	26	31		11	9	2,205	34	127	4	156	5,758	347
	%	1.7	0.9		1.9	1.2	71.3	3.1	1.2	1.1	11.1	14.4	82.4
SUB-TOTAL	#	33	44		19	15	2,205	154	253	15	200	5,758	350
	%	2.1	1.3		3.2	1.9	71.3	13.9	2.3	4.0	14.3	14.4	83.1
NOT REPORTED	#	186	418		89	29	256	70	4	34	58	354	21
	%	11.8	12.5		15.2	3.7	8.3	6.3	—	9.0	4.1	0.9	5.0
TOTAL	#	1,570	3,341		588	781	3,091	1,110	10,958	376	1,402	39,965	421
	%	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* LESS THAN .1%

PHYSICIANS ACTIVE IN PRIMARY CARE – PRINCIPAL SETTING BY HSA
EXCLUDING PEDIATRICIANS AND OBSTETRICIANS AND GYNECOLOGISTS

PRINCIPAL WORK SETTING	TOTAL		HSA I		HSA II		HSA III		HSA IV		HSA V		HSA VI	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
HEALTH FACILITIES :														
HOSPITAL	724	25.5	72	21.2	64	22.2	28	19.9	447	30.7	65	17.9	48	19.0
NURSING & REST HOMES	36	1.3	3	.9	9	3.1	1	.7	14	1.0	8	2.2	1	.4
FREE-STANDING CLINIC	82	2.9	9	2.7	10	3.5	1	.7	56	3.8	6	1.7	0	.0
GROUP HEALTH PLAN	36	1.3	3	.9	0	.0	0	.0	33	2.3	0	.0	0	.0
PRIVATE OFFICE	1,706	60.0	221	65.2	181	62.6	104	73.8	736	50.5	266	73.5	198	78.2
FEDERAL	83	2.9	4	1.2	7	2.4	1	.7	66	4.5	4	1.1	1	.4
SUB-TOTAL	2,667	93.9	312	92.1	271	93.8	135	95.8	1,352	92.8	349	96.4	248	98.0
SCHOOLS :														
MEDICAL DENTAL	36	1.3	0	.0	9	3.1	0	.0	26	1.8	1	.3	0	.0
OTHER SCHOOL	42	1.4	14	4.1	2	0.7	0	.0	24	1.6	1	.3	1	.4
SUB-TOTAL	78	2.7	14	4.1	11	3.8	0	.0	50	3.4	2	.6	1	.4
OTHER	96	3.4	13	3.8	7	2.4	6	4.2	55	3.8	11	3.0	4	1.6
TOTALS	2,841	100.0	339	100.0	289	100.0	141	100.0	1,457	100.0	362	100.0	253	100.0

TABLE 26

ACTIVE PEDIATRICIANS—PRINCIPAL SETTING BY HSA

PRINCIPAL WORK SETTING	TOTAL		HSA I		HSA II		HSA III		HSA IV		HSA V		HSA VI	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
HEALTH FACILITIES:														
HOSPITAL	238	34.6	13	17.3	13	27.1	7	22.6	190	45.9	6	9.7	9	15.5
NURSING & REST HOMES	1	0.2	0	.0	0	.0	1	3.2	0	.0	0	.0	0	.0
FREE-STANDING CLINIC	31	4.5	3	4.0	0	.0	0	.0	27	6.6	1	1.6	0	.0
GROUP HEALTH PLAN	9	1.3	1	1.3	0	.0	0	.0	8	1.9	0	.0	0	.0
PRIVATE OFFICE	369	53.6	50	66.7	33	68.7	23	74.2	164	39.6	50	80.7	49	84.5
FEDERAL	3	0.4	0	.0	0	.0	0	.0	3	.7	0	.0	0	.0
SUB-TOTAL	651	94.6	67	89.3	46	95.8	31	100.0	392	94.7	57	92.0	58	100.0
SCHOOLS:														
MEDICAL DENTAL	6	0.9	0	.0	1	2.1	0	.0	5	1.2	0	.0	0	.0
OTHER SCHOOL	17	2.5	6	8.0	1	2.1	0	.0	8	1.9	2	3.2	0	.0
SUB-TOTAL	23	3.4	6	8.0	2	4.2	0	.0	13	3.1	2	3.2	0	.0
OTHER	14	2.0	2	2.7	0	.0	0	.0	9	2.2	3	4.8	0	.0
TOTALS	688	100.0	75	100.0	48	100.0	31	100.0	414	100.0	62	100.0	58	100.0

ACTIVE OBSTETRICIANS AND GYNECOLOGISTS—PRINCIPAL SETTING BY HSA

PRINCIPAL WORK SETTING	TOTAL		HSA I		HSA II		HSA III		HSA IV		HSA V		HSA VI	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
HEALTH FACILITIES:														
HOSPITAL	171	28.4	10	13.9	11	23.9	6	18.2	120	36.8	9	14.3	15	24.2
FREE-STANDING CLINIC	11	1.8	1	1.4	0	.0	0	.0	7	2.2	1	1.6	2	3.2
GROUP HEALTH PLAN	8	1.3	1	1.4	0	.0	0	.0	7	2.2	0	.0	0	.0
PRIVATE OFFICE	392	65.1	58	80.5	34	73.9	26	78.8	178	54.6	52	82.5	44	71.0
FEDERAL	2	0.4	0	.0	0	.0	1	3.0	1	.3	0	.0	0	.0
SUB-TOTAL	584	97.0	70	97.2	45	97.8	33	100.0	313	96.1	62	98.4	61	98.4
SCHOOLS:														
MEDICAL DENTAL	8	1.3	0	.0	0	.0	0	.0	8	2.4	0	.0	0	.0
OTHER SCHOOL	3	.5	1	1.4	0	.0	0	.0	2	.6	0	.0	0	.0
SUB-TOTAL	11	1.8	1	1.4	0	.0	0	.0	10	3.0	0	.0	0	.0
OTHER	7	1.2	1	1.4	1	2.2	0	.0	3	.9	1	1.6	1	1.6
TOTALS	602	100.0	72	100.0	46	100.0	33	100.0	326	100.0	63	100.0	62	100.0

TABLE 27

**DISTRIBUTION OF ESTIMATED ACTIVE HEALTH PROFESSIONALS IN MASSACHUSETTS
BY HEALTH SERVICE AREA AND SUBAREA OF PRACTICE
(ADJUSTED FOR NON-REPORTING ACTIVITY)¹**

HSA	SUB AREA	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	NURSING HOME ADMIN	OPTOME- TRISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	RN'S	VETERIN- ARIANS
I	ALL	61	241	473	104	98	97	1,082	45	185	5,522	67
	1	15	37	91	24	26	17	220	7	38	1,104	14
	2	13	51	93	22	19	24	195	7	75	1,202	22
	3	33	153	289	58	53	56	667	31	72	3,216	31
II	ALL	32	188	347	114	76	114	866	38	111	4,753	57
	1	14	64	97	31	22	34	181	10	32	1,180	15
	2	9	86	168	51	27	62	549	20	66	2,712	23
	3	9	38	82	32	27	18	136	8	13	861	19
III	ALL	22	132	233	74	59	67	472	34	59	3,055	27
	1	4	55	86	26	24	26	180	11	29	1,318	8
	2	13	42	91	19	19	28	184	15	18	1,006	8
	3	5	35	56	30	16	13	108	8	12	731	11
IV	ALL	47	759	1,782	470	368	663	6,644	177	874	18,853	168
	1	6	236	783	140	167	305	4,226	84	358	9,911	54
	2	9	139	293	68	68	132	950	31	219	3,035	34
	3	19	222	383	137	77	122	921	35	244	3,290	41
	4	4	67	121	32	22	42	193	10	23	928	17
	5	9	95	202	93	34	62	354	18	30	1,689	22
V	ALL	36	233	504	153	117	125	1,033	46	97	5,546	82
	1	5	22	40	10	9	5	87	4	11	396	10
	2	6	42	106	36	17	29	215	8	26	1,357	12
	3	3	37	68	19	17	22	82	8	11	518	20
	4	2	14	31	19	12	13	79	5	8	591	8
	5	5	29	53	20	19	11	170	4	3	956	4
	6	10	19	79	15	21	12	161	6	17	694	8
	7	5	70	127	33	22	32	239	10	21	1,034	20
VI	ALL	34	255	477	102	96	145	862	48	88	4,494	41
	1	7	49	81	14	15	22	136	6	20	775	8
	2	10	55	104	20	19	30	207	14	21	1,249	11
	3	5	53	104	23	25	25	193	7	11	815	8
	4	3	66	88	28	16	35	140	8	14	820	7
	5	9	32	100	17	21	33	186	13	22	835	7
UNKNOWN			8				1				343	
STATE TOTAL		232	1,808	3,816	1,017	814	1,211	10,958	388	1,414	42,566	442

¹Methodology for this Table was explained in the introduction to this section.

NO. OF ESTIMATED ACTIVE HEALTH PROFESSIONALS IN MASSACHUSETTS PER 100,000 POPULATION
BY HEALTH SERVICE AREA AND SUB AREA

HSA	SUB AREA	1975 POPULATION	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	NURSING HOME ADMIN	OPTOME- TRISTS	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	REGISTERED NURSES	VETERIN- ARIANS
I	ALL	822,480	7.4	29.3	57.5	12.6	11.9	11.8	132	5.5	22.5	671	8.2
	1	149,474	10.0	24.8	60.9	16.1	17.4	11.4	147	4.7	25.4	736	9.4
	2	171,015	7.6	29.8	54.4	12.9	11.1	14.0	114	4.1	43.9	703	12.9
	3	501,991	6.6	30.5	57.6	11.6	10.6	11.2	133	6.2	14.3	641	6.2
II	ALL	676,766	4.7	27.8	51.3	16.8	11.2	16.8	128	5.6	16.4	702	8.4
	1	207,809	6.7	30.8	46.7	14.9	10.6	16.4	87	4.8	15.4	568	7.2
	2	247,512	3.6	34.7	67.9	20.6	10.9	25.0	222	8.1	26.7	1,096	9.3
	3	221,445	4.1	17.2	37.0	14.5	12.2	8.1	61	3.6	5.9	389	8.6
III	ALL	478,672	4.6	27.6	48.7	15.5	12.3	14.0	99	7.1	12.3	638	5.6
	1	223,714	1.8	24.6	38.4	11.6	10.7	11.6	80	4.9	13.0	589	3.6
	2	145,049	9.0	29.0	62.7	13.1	13.1	19.3	127	10.3	12.4	694	5.5
	3	109,909	4.6	31.8	51.0	27.3	14.6	11.8	98	7.3	10.9	665	10.0
IV	ALL	2,225,708	2.1	34.1	80.1	21.1	16.5	29.8	299	8.0	39.3	847	7.6
	1	775,385	0.8	30.4	101.0	18.1	21.5	39.3	545	10.8	46.2	1,278	7.0
	2	476,164	1.9	29.2	61.5	14.3	14.3	27.7	200	6.5	46.0	637	7.1
	3	489,144	3.9	45.4	78.3	28.0	15.7	24.9	188	7.2	49.9	84	673
	4	166,771	2.4	40.2	72.6	19.2	13.2	25.2	116	6.0	13.8	556	10.2
	5	318,244	2.8	29.9	63.5	29.2	10.7	19.5	111	5.7	9.4	531	6.9
V	ALL	964,953	3.7	24.1	52.2	15.9	12.1	13.0	107	4.8	10.1	575	8.5
	1	79,553	6.3	27.7	50.3	12.6	11.3	6.3	109	5.0	13.8	498	12.6
	2	197,832	3.0	21.2	53.6	18.2	8.6	14.7	109	4.0	13.1	686	6.1
	3	124,213	2.4	29.8	54.7	15.3	13.7	17.7	66	6.4	8.9	417	16.1
	4	94,787	2.1	14.8	32.7	20.0	12.7	13.7	83	5.3	8.4	624	8.4
	5	153,261	3.3	18.9	34.6	13.0	12.4	7.2	111	2.6	2.0	624	2.6
	6	158,516	6.3	12.0	49.8	9.5	13.2	7.6	102	3.8	10.7	438	5.1
	7	156,791	3.2	44.6	81.0	21.0	14.0	20.4	152	6.4	13.4	659	12.8
VI	ALL	647,597	5.3	39.4	73.7	15.8	14.8	22.4	133	7.4	13.6	694	6.3
	1	107,138	6.5	45.7	75.6	13.1	14.0	20.5	127	5.6	18.7	723	7.5
	2	134,622	7.4	40.9	77.3	14.9	14.1	22.3	154	10.4	15.6	928	8.2
	3	134,462	3.7	39.4	77.3	17.1	18.6	18.6	144	5.2	8.2	606	6.0
	4	115,355	2.6	57.2	76.3	24.3	13.9	30.3	121	6.9	12.1	711	6.1
STATE TOTAL		5,816,176	4.0	31.1	65.6	17.5	14.0	20.8	188	6.7	24.3	726	7.6

**DENSITY RANK ORDER OF HEALTH SERVICE AREA SUBAREAS
FOR SELECTED HEALTH PROFESSIONS
(BASED ON NUMBER OF ESTIMATED ACTIVE HEALTH PROFESSIONALS
PER 100,000 SUBAREA POPULATION)¹**

HSA	SUB AREA	CHIRO- PRACTORS	DENTAL HYGIENISTS	DENTISTS	NURSING HOME ADMIN	OPTOME- TRISTS ALL	PHYSICAL THERAPISTS	PHYSICIANS	PODIATRISTS	PSYCHOLO- GISTS	RN'S	VETERIN- ARIANS
I	1	1	19	14	12	3	21	7	21	6	4	7
	2	3	14	17	21	20	17	15	22	4	7	2
	3	6	11	15	24	25	22	9	12	10	13	18
II	1	5	10	22	14	24	15	23	20	9	19	14
	2	15	8	9	6	21	5	2	5	5	2	8
	3	12	24	24	16	18	23	26	25	25	26	9
III	1	25	20	23	23	23	20	24	19	16	18	25
	2	2	17	12	18	15	12	11	3	17	8	22
	3	11	9	19	3	5	19	21	6	19	11	6
IV	1	26	12	1	10	1	1	1	1	2	1	16
	2	24	16	13	17	6	3	3	9	3	14	15
	3	13	3	3	2	4	6	4	7	1	10	11
	4	22	6	8	8	14	4	14	13	13	20	5
	5	19	13	11	1	22	11	16	14	21	22	17
V	1	9	18	20	22	19	26	18	18	12	23	4
	2	18	21	18	9	26	16	19	23	15	9	20
	3	21	15	16	13	11	14	22	10	22	24	1
	4	23	25	26	7	16	18	25	16	23	16	10
	5	16	23	25	20	17	25	17	26	26	15	26
	6	8	26	21	26	13	24	20	24	20	25	23
	7	17	4	2	5	8	10	6	11	14	12	3
VI	1	7	2	7	19	9	9	10	15	7	5	13
	2	4	5	4	15	7	7	5	2	8	3	12
	3	14	7	5	11	2	13	8	17	24	17	21
	4	20	1	6	4	10	2	12	8	18	6	19
	5	10	22	10	25	12	8	13	4	11	21	24

¹Methodology for this Table was explained in the introduction to this section and is further elaborated in the Glossary.

TABLE 31

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
ABINGTON	0	2	4	3	1	0	4	1	1	36	0
ACTON	1	7	11	0	1	4	13	0	2	54	1
ACUSHNET	0	0	0	1	0	0	1	0	0	13	0
ADAMS	0	0	4	0	2	0	2	0	0	16	0
AGAWAM	0	6	11	3	1	0	8	1	0	53	2
ALFORD	0	0	0	0	0	0	0	0	0	1	0
AMESBURY	1	1	4	1	2	0	7	1	0	96	4
AMHERST	0	13	13	1	4	5	38	1	48	118	8
ANDOVER	1	12	14	3	3	6	48	1	7	84	4
ARLINGTON	1	13	26	10	5	10	61	2	13	201	3
ASHBURNHAM	0	1	0	0	0	0	0	0	0	11	1
ASHBY	0	0	0	0	0	0	0	0	0	1	0
ASHFIELD	0	0	0	0	0	0	0	0	0	1	0
ASHLAND	0	3	3	2	0	1	1	0	0	14	1
ATHOL	3	1	6	3	3	0	11	1	0	87	1
ATTLEBORO	2	12	20	5	5	4	63	3	4	303	0
AUBURN	1	6	4	0	2	0	3	0	2	22	1
AVON	0	0	2	0	0	0	1	0	0	3	0
AYER	0	5	3	2	2	4	13	0	0	85	0
BARNSTABLE	1	18	29	7	4	11	85	4	7	372	3
BARRE	0	1	1	0	0	0	6	0	3	7	0
BECKET	0	0	0	1	0	0	1	0	0	2	0
BEDFORD	1	8	6	0	2	0	7	0	14	219	0
BELCHERTOWN	0	0	0	0	0	3	6	0	0	38	0
BELLINGHAM	1	3	4	0	0	0	15	0	0	9	2
BELMONT	0	8	31	1	3	5	135	4	30	205	4
BERKLEY	0	0	0	0	0	0	0	0	0	3	0
BERLIN	1	1	2	0	0	0	1	0	0	3	0
BERNARDSTON	1	0	0	0	0	0	1	0	0	1	0
BEVERLY	2	14	32	5	6	10	70	3	11	403	3
BILLERICA	1	9	10	2	5	1	8	3	0	72	0
BLACKSTONE	0	0	1	1	0	0	0	0	0	5	0
BLANDFORD	0	0	0	0	0	0	1	0	0	0	0
BOLTON	0	0	1	0	0	1	1	0	0	0	0
BOSTON	3	152	544	79	130	266	741	65	296	8921	47
BOURNE	0	4	5	1	1	3	10	0	3	45	0
BOXBORO	0	0	0	0	0	0	0	0	0	2	0
BOXFORD	0	0	0	0	0	0	2	0	1	10	1
BOYLSTON	0	1	0	0	0	1	1	0	0	20	0
BRAINTREE	1	6	15	9	5	17	25	1	1	187	3
BREWSTER	0	2	3	0	1	0	0	0	1	13	0
BRIDGEWATER	0	3	4	0	1	0	5	0	7	39	2
BRIMFIELD	0	0	0	0	0	0	0	0	1	2	0
BROCKTON	4	16	54	11	9	17	152	7	9	835	3
BROOKFIELD	0	0	0	0	0	0	0	0	0	7	1
BROOKLINE	2	34	90	14	12	14	410	9	50	332	3
BUCKLAND	0	0	0	0	0	0	1	0	0	2	0
BURLINGTON	1	8	11	0	3	1	17	1	4	37	2

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
CAMBRIDGE	3	22	56	9	22	39	415	6	94	893	5
CANTON	1	10	10	3	2	10	13	0	1	75	1
CARLISLE	0	0	1	1	0	0	4	0	1	17	1
CARVER	0	0	2	0	0	0	0	0	0	3	0
CHARLEMONT	0	0	0	0	0	0	0	0	0	1	0
CHARLTON	0	0	0	1	0	0	2	0	1	7	0
CHATHAM	0	3	8	0	1	5	8	1	1	15	0
CHELMSFORD	0	8	20	3	2	4	44	2	0	83	1
CHELSEA	0	6	16	3	8	6	35	3	1	120	2
CHESHIRE	0	0	0	0	0	0	1	0	0	0	1
CHESTER	0	0	0	0	0	0	0	0	0	1	0
CHESTERFIELD	0	0	0	0	0	0	1	0	0	1	0
CHICOPEE	7	9	21	4	4	4	16	1	1	80	2
CHILMARK	0	0	0	0	0	0	0	0	0	0	1
CLARKSBURG	0	0	0	0	0	0	0	0	0	1	0
CLINTON	1	2	3	1	2	5	16	1	0	90	0
COHASSET	0	2	5	2	4	1	10	0	1	46	0
COLRAIN	0	0	0	0	0	0	1	0	0	1	0
CONCORD	0	7	13	5	2	12	68	2	16	315	4
CONWAY	0	0	0	0	0	0	0	0	1	0	0
CUMMINGTON	0	0	0	0	0	1	0	0	0	1	0
DALTON	0	1	2	2	1	1	1	0	1	28	0
DANVERS	1	4	20	3	4	8	54	1	8	314	4
DARTMOUTH	1	4	10	2	2	1	12	1	10	48	4
DEDHAM	1	13	15	4	4	0	32	2	2	35	6
DEERFIELD	0	2	2	0	0	2	2	0	0	17	2
DENNIS	0	4	4	1	0	0	4	1	1	13	2
DIGHTON	0	1	0	1	0	0	3	0	0	5	2
DOUGLAS	0	0	0	1	0	0	2	0	0	2	0
DOVER	0	4	2	0	0	1	2	1	0	10	1
DRACUT	2	3	4	0	2	0	2	0	1	15	0
DUDLEY	0	1	0	0	0	0	0	0	0	5	0
DUNSTABLE	0	0	0	0	0	1	0	0	0	2	0
DUXBURY	0	5	8	0	2	0	12	0	2	24	2
EAST BRIDGEWATER	0	2	2	1	0	0	3	0	0	26	1
EAST BROOKFIELD	0	0	0	0	0	0	0	0	0	2	0
EAST LONGMEADOW	1	7	8	1	2	1	4	3	0	23	4
EASTHAM	0	1	0	0	0	1	3	0	0	6	1
EASTHAMPTON	0	6	4	2	2	0	5	0	0	23	0
EASTON	0	4	3	2	1	3	4	0	4	37	0
EDGARTOWN	0	1	1	0	0	0	3	1	1	7	2
EGREMONT	0	0	0	0	0	1	0	0	0	0	0
FRVING	0	0	0	0	0	0	0	0	0	3	0
ESSEX	0	0	1	0	0	0	0	0	0	7	0
EVERETT	2	3	18	4	4	6	36	5	2	188	1
FAIRHAVEN	1	1	5	1	1	1	6	0	0	38	1
FALL RIVER	3	14	34	10	16	10	156	3	2	853	0
FALMOUTH	2	9	14	1	3	3	42	2	1	154	2

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG NURSE	VETER- INARIAN
FITCHBURG	3	11	31	5	7	8	59	4	19	309	1
FLORIDA	0	0	0	0	0	0	0	0	0	1	0
FOXBOROUGH	1	3	7	0	3	1	8	0	0	34	2
FRAMINGHAM	7	37	56	11	7	17	140	7	31	708	4
FRANKLIN	1	7	6	2	3	0	7	1	1	46	2
FREETOWN	0	2	0	0	0	0	0	0	0	11	0
GARDNER	1	5	11	2	5	4	26	2	7	194	1
GAY HEAD	0	0	0	0	0	0	0	0	0	0	0
GEORGETOWN	0	2	3	0	0	0	6	0	0	19	0
GILL	0	0	0	0	0	0	0	0	0	1	0
GLOUCESTER	2	9	17	2	4	6	40	3	2	164	1
GOSHEN	0	0	0	0	0	0	0	0	0	0	1
GOSNOLD	0	0	0	0	0	0	0	0	0	0	0
GRAFTON	0	1	2	3	1	0	4	1	0	17	0
GRANBY	0	0	1	0	0	0	0	0	0	5	1
GRANVILLE	0	0	0	0	0	0	1	0	0	0	0
GREAT BARRINGTON	2	0	7	0	3	1	17	0	2	93	2
GREENFIELD	5	8	23	3	3	4	44	1	11	243	3
GROTON	0	1	2	3	1	1	5	0	0	34	0
GROVELAND	0	2	1	0	0	0	0	0	0	8	0
HADLEY	1	2	2	0	0	2	0	0	1	6	0
HALIFAX	0	0	1	0	0	0	1	0	0	3	0
HAMILTON	0	2	5	0	1	0	1	0	2	12	1
HAMPDEN	0	0	2	1	0	0	1	0	0	18	0
HANCOCK	0	0	0	0	0	0	0	0	0	1	0
HANOVER	0	5	10	0	4	3	6	0	6	32	6
HANSON	0	0	2	0	0	3	5	1	0	36	1
HARDWICK	0	0	0	0	0	0	0	0	0	3	0
HARVARD	0	2	3	0	0	0	2	0	0	6	0
HARWICH	0	1	7	0	1	0	6	1	0	21	3
HATFIELD	0	0	0	0	0	0	0	0	0	3	0
HAVERHILL	1	20	28	8	7	6	59	5	9	353	1
HAWLEY	0	0	0	0	0	0	0	0	0	0	0
HEATH	0	0	0	0	0	0	0	0	0	0	0
HINGHAM	0	9	15	0	1	5	14	4	2	36	4
HINSDALE	0	0	0	1	0	0	1	0	0	5	0
HOLBROOK	0	2	3	1	1	1	2	0	0	14	1
HOLDEN	0	6	5	3	2	2	9	1	1	106	2
HOLLAND	0	0	0	0	0	0	0	0	0	0	0
HOLLISTON	0	7	6	2	1	5	8	0	3	24	2
HOLYOKE	3	12	35	2	7	9	103	6	3	689	0
HOPEDALE	0	0	0	2	0	0	1	0	1	22	0
HOPKINTON	0	1	2	0	1	0	2	0	1	7	0
HUBBARDSTON	0	0	0	0	0	0	0	0	0	2	0
HUDSON	0	5	9	1	3	1	6	0	1	18	0
HULL	0	2	3	1	0	3	2	1	2	19	0
HUNTINGTON	0	0	0	0	0	0	1	0	0	7	0
IPSWICH	1	3	2	1	3	3	12	0	0	62	2

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
KINGSTON	1	0	2	0	0	0	1	0	1	6	3
LAKEVILLE	0	0	0	0	0	0	10	0	0	60	0
LANCASTER	0	2	3	0	0	1	1	0	1	22	4
LANESBOROUGH	0	0	1	0	0	0	0	0	0	6	0
LAWRENCE	8	17	47	5	12	11	82	10	6	482	0
LEE	1	1	5	0	1	0	6	0	1	18	2
LEICESTER	0	0	0	0	0	0	0	0	0	8	1
LENOX	0	1	2	1	1	1	2	0	1	35	0
LEOMINSTER	6	14	15	3	4	2	35	2	0	221	1
LEVERETT	0	0	0	0	0	0	0	0	0	1	0
LEXINGTON	0	9	28	6	4	4	49	4	19	136	4
LEYDEN	0	0	0	0	0	0	0	0	0	0	0
LINCOLN	0	1	3	0	0	1	6	0	2	10	0
LITTLETON	0	0	2	0	1	0	2	0	3	7	1
LONGMEADOW	0	10	16	1	1	1	24	0	4	49	0
LOWELL	1	20	36	10	13	10	110	6	19	883	5
LUDLOW	0	4	4	0	1	0	5	0	1	56	0
LUNENBURG	1	2	2	0	0	0	1	0	0	7	2
LYNN	3	23	66	7	15	15	151	7	7	632	4
LYNNFIELD	0	10	7	0	2	3	11	0	1	21	1
MALDEN	2	10	32	3	11	13	72	5	7	349	4
MANCHESTER	0	4	5	0	0	1	4	0	0	26	0
MANSFIELD	1	4	4	0	1	0	8	0	1	11	4
MARBLEHEAD	0	11	16	5	3	4	24	2	4	85	1
MARION	0	1	3	0	1	0	4	0	0	8	2
MARLBOROUGH	2	3	14	4	6	7	37	2	3	187	2
MARSHFIELD	0	3	9	2	1	3	5	1	0	25	2
MASHPEE	0	1	2	1	1	0	3	0	0	11	1
MATTAPOISETT	0	1	5	1	0	1	1	0	0	14	0
MAYNARD	0	1	1	0	3	1	3	0	2	16	0
MEDFIELD	0	3	7	2	0	1	12	0	6	68	2
MEDFORD	5	13	37	5	6	11	78	3	13	236	2
MEDWAY	0	2	4	0	2	0	3	0	1	12	2
MELROSE	1	21	23	5	4	12	53	1	6	332	0
MENDON	0	0	0	0	0	0	0	0	0	2	0
MERRIMAC	0	1	1	0	0	1	1	0	0	4	0
METHUEN	2	2	9	3	3	6	35	1	2	328	2
MIDDLEBOROUGH	0	4	5	10	3	7	8	1	1	62	3
MIDDLEFIELD	0	0	2	1	0	0	0	0	0	0	0
MIDDLETON	0	0	1	0	0	1	1	0	1	7	1
MILFORD	1	5	14	1	5	5	25	3	2	207	0
MILLBURY	0	2	3	1	2	0	2	0	0	14	0
MILLIS	0	1	2	1	1	0	2	0	0	9	1
MILLVILLE	0	0	0	1	0	0	0	0	0	5	0
MILTON	0	5	18	2	1	7	68	2	5	137	0
MONROE	0	0	0	0	0	0	0	0	0	0	0
MONSON	1	0	1	0	0	0	3	0	0	16	1
MONTAGUE	0	2	3	0	1	1	10	0	0	78	0

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER.	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
MONTEREY	0	0	0	0	0	0	0	0	1	4	0
MONTGOMERY	0	0	0	0	0	0	0	0	0	2	0
MOUNT WASHINGTON	0	0	0	0	0	0	0	0	0	0	0
NAHANT	0	0	1	0	0	0	2	0	0	16	0
NANTUCKET	0	3	3	1	0	1	10	0	1	35	0
NATICK	1	5	15	1	3	10	58	2	10	261	5
NEEDHAM	1	10	28	0	5	12	52	1	10	180	1
NEW ASHFORD	0	0	0	0	0	0	0	0	0	0	0
NEW BEDFORD	8	10	46	7	17	7	137	5	7	524	0
NEW BRAINTREE	0	0	0	0	0	0	0	0	0	0	0
NEW MARLBOROUGH	0	0	0	0	0	0	0	0	0	5	0
NEW SALEM	0	1	0	0	0	0	0	0	1	0	0
NEWBURY	0	0	0	0	0	0	0	0	0	0	0
NEWBURYPORT	2	5	11	3	7	5	30	2	0	10	0
NEWTON	2	31	71	13	16	20	296	8	109	173	2
NORFOLK	0	2	3	0	0	1	1	2	0	633	5
NORTH ADAMS	1	1	10	1	5	3	31	1	3	34	0
NORTH ANDOVER	2	4	7	1	1	3	20	3	3	150	1
NO ATTLEBORO	1	2	11	1	2	0	13	1	1	56	2
NO BROOKFIELD	0	0	0	0	0	0	2	0	0	24	3
NO READING	0	7	5	1	0	1	2	0	0	2	0
NORTHAMPTON	3	8	19	3	5	6	68	3	2	33	1
NORTHBOROUGH	2	5	4	1	2	0	4	0	9	488	5
NORTHBRIDGE	0	2	5	2	1	0	9	0	1	23	0
NORTHFIELD	0	0	0	0	0	0	1	1	2	74	1
NORTON	0	2	3	0	0	1	2	0	1	14	0
NORWELL	0	2	3	4	1	1	17	0	5	30	2
NORWOOD	1	10	26	2	4	14	73	2	1	52	1
OAK BLUFFS	0	0	0	0	0	3	7	0	4	437	2
OAKHAM	0	0	0	0	0	0	0	0	0	40	0
ORANGE	0	2	3	0	0	0	4	0	0	1	0
ORLEANS	0	4	8	0	1	1	8	0	3	10	0
OTIS	0	1	0	0	0	0	1	0	0	37	0
OXFORD	0	1	2	1	1	0	2	0	0	2	0
PALMER	0	2	4	2	1	4	18	2	0	19	2
PAXTON	0	1	1	0	0	0	3	0	2	125	0
PEABODY	4	20	25	2	6	10	38	2	2	9	0
PELHAM	0	0	0	0	0	0	0	2	0	217	0
PEMBROKE	0	4	6	0	1	1	6	0	0	0	0
PEPPERELL	0	0	1	0	0	0	1	0	0	14	1
PERU	0	0	0	0	0	0	0	0	0	10	1
PETERSHAM	0	0	0	0	0	0	0	0	0	0	0
PHILLIPSTON	0	0	0	0	0	0	0	0	0	1	0
PITTSFIELD	9	27	40	3	11	7	130	6	10	604	6
PLAINFIELD	0	0	0	0	0	0	1	0	0	0	0
PLAINVILLE	1	0	0	1	1	0	1	0	0	7	1
PLYMOUTH	1	3	15	3	6	10	41	4	1	278	4
PLYMPTON	0	0	0	0	0	0	0	0	0	2	0

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER.	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
PRINCETON	0	1	0	0	0	0	2	0	1	3	0
PROVINCETOWN	0	1	2	0	0	0	5	0	0	11	0
QUINCY	3	25	59	16	10	12	128	5	12	554	1
RANDOLPH	0	11	18	2	4	0	16	2	3	47	1
RAYNHAM	0	0	3	0	0	1	0	0	1	8	0
READING	1	10	15	2	3	5	16	1	4	34	1
REHOBOTH	0	2	1	0	0	0	0	0	1	2	0
REVERE	0	13	25	0	2	3	25	1	3	74	0
RICHMOND	0	0	0	0	0	0	2	0	0	3	0
ROCHESTER	0	0	0	0	0	0	0	0	0	3	0
ROCKLAND	1	4	6	2	3	0	5	2	1	44	0
ROCKPORT	0	3	3	1	1	0	3	0	1	22	0
ROWE	0	0	0	0	0	0	0	0	0	1	0
ROWLEY	0	0	1	1	0	0	2	0	0	8	1
ROYALSTON	0	0	1	0	0	0	0	0	0	0	0
RUSSELL	0	0	0	0	0	0	0	0	1	3	0
RUTLAND	0	2	1	0	0	4	3	0	0	47	0
SALEM	4	10	27	2	6	6	90	8	8	554	5
SALISBURY	0	0	0	0	0	0	0	0	0	8	0
SANDISFIELD	0	0	0	1	0	0	0	0	0	3	0
SANDWICH	0	1	3	0	1	0	4	0	2	13	1
SAUGUS	2	4	11	4	2	1	9	0	1	70	3
SAVOY	0	0	0	0	0	0	0	0	0	0	0
SCITUATE	1	4	10	1	2	2	16	1	1	31	1
SEEKONK	1	2	2	0	1	0	1	0	0	25	1
SHEARSON	0	6	10	1	2	4	5	2	5	22	2
SHEFFIELD	0	0	0	0	0	0	0	0	1	9	0
SHELBURNE	0	0	4	1	1	0	4	0	1	16	2
SHERBORN	0	1	1	0	0	0	1	0	0	4	0
SHIRLEY	0	1	0	0	0	0	1	1	0	5	1
SHREWSBURY	0	4	8	1	1	2	14	1	5	49	5
SHUTESBURY	0	0	0	0	0	0	6	0	0	0	0
SOMERSET	1	3	25	6	12	5	65	6	9	18	1
SOMERVILLE	1	5	6	0	1	1	11	0	6	231	2
SOUTH HADLEY	1	3	0	0	1	0	0	0	0	32	2
SOUTHAMPTON	0	0	0	0	0	0	0	0	0	1	0
SOUTHBORO	0	3	2	0	1	3	14	0	2	13	5
SOUTHBIDGE	3	3	10	1	4	3	29	2	1	168	0
SOUTHWICK	0	1	3	0	0	0	2	0	0	4	0
SPENCER	1	0	3	0	2	1	6	0	0	10	0
SPRINGFIELD	13	64	99	11	23	19	387	12	38	1492	12
STERLING	0	2	2	0	0	0	0	0	0	4	0
STOCKBRIDGE	0	0	0	0	0	0	11	0	15	17	0
STONEHAM	0	9	10	2	4	4	45	1	1	282	3
STOUGHTON	0	3	15	4	3	5	40	0	5	292	2
STOW	0	0	1	0	0	1	0	0	0	3	1
STURBRIDGE	0	3	2	0	1	0	1	0	0	7	2
SUDBURY	0	3	10	2	3	2	9	0	5	38	1

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ERTRIST	PHYS. THER.	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
SUNDERLAND	0	0	0	0	0	0	0	0	1	6	0
SUTTON	0	0	0	0	0	0	0	0	0	6	0
SWAMPSCOTT	0	10	10	2	4	5	19	0	2	17	0
SWANSEA	0	2	5	2	1	0	3	0	1	24	0
TAUNTON	1	5	18	4	7	4	57	4	5	393	2
TEMPLETON	0	0	0	1	0	0	1	0	0	7	0
TEWKSBURY	0	4	4	2	0	7	12	0	2	149	0
TISBURY	0	3	5	0	2	0	2	0	0	8	0
TOLLAND	0	0	0	0	0	0	0	0	0	1	0
TOPSFIELD	2	7	4	0	0	0	5	0	1	14	1
TOWNSEND	0	1	2	0	0	0	2	0	0	5	0
TRURO	0	0	0	0	0	0	1	0	0	1	0
TYNGSBOROUGH	0	0	0	0	1	0	0	0	0	10	0
TYRINGHAM	0	0	0	0	0	0	0	0	0	0	0
UPTON	0	0	1	1	0	0	2	0	0	7	0
UXBRIDGE	0	1	3	0	1	0	1	0	1	8	2
WAKEFIELD	1	11	23	6	5	8	24	4	1	77	2
WALES	0	0	0	0	0	0	0	0	0	0	0
WALPOLE	0	3	10	0	4	5	23	0	1	49	0
WALTHAM	1	16	38	6	11	17	131	6	15	534	2
WARE	0	1	5	0	2	2	7	0	0	59	0
WAREHAM	1	3	6	2	2	2	19	0	0	74	1
WARREN	0	0	0	0	0	0	1	0	0	6	0
WARWICK	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	0	0	0	0	0	0	0	0	3	0
WATERTOWN	1	10	21	2	4	4	19	3	8	77	0
WAYLAND	0	2	5	1	1	4	16	0	10	27	3
WEBSTER	0	4	7	3	4	3	22	1	2	106	1
WELLESLEY	0	25	32	1	3	5	82	3	16	98	0
WELLFLEET	0	1	3	0	0	1	7	0	0	9	0
WENDELL	0	0	0	0	0	0	0	0	0	0	0
WENHAM	0	0	1	0	0	0	1	0	3	8	0
WEST BOYLSTON	0	2	3	1	0	0	3	0	0	14	0
WEST BRIDGEWATER	0	2	1	0	0	0	2	0	0	3	3
WEST BROOKFIELD	0	0	0	0	0	0	1	0	0	20	3
WEST NEWBURY	1	1	0	0	0	0	0	0	0	6	0
WEST SPRINGFIELD	3	14	15	2	1	1	26	1	3	60	2
WEST STOCKBRIDGE	1	0	1	0	0	0	0	0	0	1	0
WEST TISBURY	0	0	0	0	0	0	0	0	0	4	0
WESTBOROUGH	2	8	9	0	2	0	17	1	5	112	1
WESTFIELD	3	5	10	5	6	6	38	4	11	198	3
WESTFORD	0	4	4	1	1	0	4	0	5	19	1
WESTHAMPTON	0	0	0	0	0	0	0	0	0	2	0
WESTMINSTER	1	0	2	0	0	1	1	0	0	7	0
WESTON	0	12	12	4	3	2	23	0	10	50	5
WESTPORT	1	0	4	0	0	0	5	0	0	11	1
WESTWOOD	0	8	16	0	1	1	16	1	2	37	1
WEYMOUTH	3	11	34	7	2	8	56	2	2	400	10

DISTRIBUTION OF HEALTH PROFESSIONALS REPORTING AS ACTIVELY PRACTICING IN MASSACHUSETTS
BY CITY OR TOWN OF PRACTICE

RES	CHIRO- PRACTOR	DENT HYG	DENTIST	NURS HOME ADMIN	OPTOM- ETRIST	PHYS. THER.	PHYSI- CIAN	PODIA- TRIST	PSYCHOL- OGIST	REG. NURSE	VETER- INARIAN
WHATELY	0	0	0	0	0	0	0	0	0	0	0
WHITMAN	2	4	6	1	2	1	4	0	0	19	1
WILBRAHAM	1	4	6	0	0	1	4	1	2	19	2
WILLIAMSBURG	0	0	0	0	0	0	0	0	0	6	0
WILLIAMSTOWN	0	2	8	4	1	0	13	0	3	38	1
WILMINGTON	0	6	5	0	2	0	5	0	1	26	2
WINCHENDON	0	0	2	2	1	0	4	0	0	19	0
WINCHESTER	0	14	16	0	1	12	61	2	7	218	0
WINDSOR	0	0	0	0	0	0	0	0	0	0	0
WINTHROP	0	2	5	2	3	0	17	1	3	66	0
WOBURN	1	3	19	2	5	22	38	3	1	252	1
WORCESTER	8	54	117	26	21	57	515	17	56	2345	14
WORTHINGTON	0	1	1	0	0	0	2	0	0	3	0
WRENTHAM	0	0	4	8	0	2	8	0	1	60	0
YARMOUTH	1	4	13	2	3	0	12	0	0	41	3
TOWN NOT REPORTED	0	8	0	0	0	0	3	0	0	0	0
TOTALS	228	1570	3341	588	781	1110	10958	376	1402	39985	421

HEALTH RESOURCES AND THEIR UTILIZATION

HOSPITALS

HOSPITALS

During fiscal year 1976 there were 194 hospitals in Massachusetts. Of these, 130 were classified as acute hospitals (short-stay general and specialty hospitals), 33 as chronic and rehabilitation hospitals, and 31 as psychiatric hospitals. Data presented in this section focuses on acute hospitals; however, total utilization data for chronic and psychiatric facilities are included and these facilities are also included in the facility-specific tables.

The table showing utilization by service and by Health Service Area provides an overview of acute hospital utilization. In this table are all hospitals classified as acute including federal facilities and specialty hospitals. All facilities are included to present the total picture of Massachusetts acute care utilization. Because the federal hospitals are not within the scope of state and local planning and regulatory agencies, and the specialty hospitals are not providers of general medical surgical services to the Massachusetts population, these facilities are often excluded from data presented for planning purposes.

In comparing medical surgical mean operating beds (n.b. not licensed beds) for 1975 and 1976 there is a slight overall increase; however, the rates of beds per 1,000 population vary significantly from those presented in the 1976 Health Data Annual. This has occurred because of a change in population base used. Last year the 1970 U.S. Census Bureau figures were used; this year's table uses the 1975 adjusted U.S. Census Bureau figures. Occupancy rates for medical surgical beds in Massachusetts have dropped slightly since 1975 but average length of stay has risen by two-tenths of a day.

Seven maternity units have closed during 1976 with a slight overall rise in occupancy rate resulting. It should be understood that maternity utilization includes clean gynecology and abortions performed in beds designated as maternity. The actual obstetrical utilization of these beds is considerably lower than maternity utilization.

Five additional hospitals provided service to pediatric patients during 1976, but the number of beds dropped and more than 20,000 less days of pediatric care were delivered. Statistics relating to pediatric discharges and discharge days are included for hospitals without pediatric beds who reported pediatric discharges.

Thirty-four Massachusetts hospitals now have psychiatric units (an increase of eight). The average daily census has risen by more than 60 patients per day over the past year. Thirty-four hospitals with no designated psychiatric units provided service to psychiatric patients. Statistics relating to those patients are available for discharges and average stay, but data for average daily census and occupancy rates are combined with those of other patients in the medical surgical units.

A new table has been inserted this year showing discharge sites from Massachusetts hospitals. Discharge site data excludes all patients returned home without additional service. There were 61,564 patients who were transferred upon discharge in order to obtain additional medical services. The largest single group of these transfers went to nursing or rest homes (46.4%), while 24.7% were returned home with home care services.

TABLE 32

**NUMBER AND PERCENT OF LICENSED ACUTE HOSPITALS AND BEDS IN MASSACHUSETTS
HEALTH SERVICE AREAS — 1974, 1975, 1976, 6/30/77**

HEALTH SERVICE AREA		12/31/74		12/31/75		12/31/76		6/30/77	
		FACILITIES	BEDS	FACILITIES	BEDS	FACILITIES	BEDS	FACILITIES	BEDS
I	Number	18	3,983	18	3,900	17	3,894	16	3,876
	Percent	13.6	13.6	13.7	14.0	13.1	13.8	12.5	14.1
II	Number	17	3,328	17	3,264	18	3,343	18	3,249
	Percent	12.9	11.4	13.0	11.7	13.8	11.9	14.1	11.9
III	Number	8	1,823	8	1,811	8	1,836	8	1,840
	Percent	6.1	6.2	6.1	6.5	6.2	6.5	6.2	6.7
IV	Number	56	13,825	55	12,666	55	12,816	54	12,331
	Percent	42.4	47.2	42.0	45.4	42.3	45.4	42.2	45.0
V	Number	17	3,276	17	3,262	16	3,283	16	3,068
	Percent	12.9	11.2	13.0	11.7	12.3	11.6	12.5	11.2
VI	Number	16	3,064	16	2,990	16	3,050	16	3,034
	Percent	12.1	10.4	12.2	10.7	12.3	10.8	12.5	11.1
STATE	Number	132	29,299	131	27,893	130	28,222	128	27,398
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: Massachusetts Department of Public Health
Division of Health Care Standards and Regulation
Long-Term Care Reports, 12/31/74 — 6/30/77

**NUMBER AND PERCENT OF LICENSED CHRONIC AND REHABILITATION HOSPITALS
AND BEDS IN MASSACHUSETTS HEALTH SERVICE AREAS
1974, 1975, 1976, 6/30/77**

HEALTH SERVICE AREA		12/31/74		12/31/75		12/31/76		6/30/77	
		FACILITIES	BEDS	FACILITIES	BEDS	FACILITIES	BEDS	FACILITIES	BEDS
I	Number	4	910	4	910	4	712	4	712
	Percent	10.3	11.5	10.3	12.2	12.1	10.7	12.1	10.5
II	Number	5	470	5	407	4	365	4	365
	Percent	12.8	5.9	12.8	5.4	12.1	5.4	12.1	5.4
III	Number	5	1,806	5	1,805	4	1,287	4	1,287
	Percent	12.8	22.8	12.8	24.2	12.1	19.2	12.1	19.0
IV	Number	19	4,141	19	3,836	15	3,734	15	3,787
	Percent	48.7	52.2	48.7	51.4	45.5	55.8	45.5	56.0
V	Number	5	557	5	466	5	437	5	457
	Percent	12.8	7.0	12.8	6.2	15.2	6.5	15.2	6.7
VI	Number	1	44	1	44	1	160	1	160
	Percent	2.6	0.6	2.6	0.6	3.0	2.4	3.0	2.4
STATE	Number	39	7,928	39	7,468	33	6,695	33	6,768
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: Massachusetts Department of Public Health
Division of Health Care Standards and Regulation
Long-Term Care Reports, 12/31/74 — 6/30/77

TABLE 34

**UTILIZATION OF ACUTE HOSPITALS BY MAJOR SERVICES AND HEALTH
SERVICE AREA – MASSACHUSETTS 1976**

SERVICE	HEALTH SERVICE AREA						STATE
	I	II	III	IV	V	VI	
MEDICAL-SURGICAL							
HOSPITALS WITH SERVICE	17	18	8	53	16	15	127
MEAN OPERATING BEDS	3,226	2,654	1,448	10,208	2,686	2,447	22,669
BEDS PER 1000 POP.	5.1	5.2	4.1	6.0	3.7	5.0	5.1
AVERAGE DAILY CENSUS	2478.2	2,062.7	1,253.0	8,463.7	2,268.8	2,080.6	18,544.9
CENSUS DAYS	904,552	752,887	457,333	3,089,248	828,119	759,425	6,791,564
OCCUPANCY RATE	76.8	77.7	86.5	82.9	84.5	85.0	81.8
DISCHARGES	96,394	80,331	47,917	299,570	90,857	76,873	691,942
DISCHARGE DAYS	887,964	722,501	457,873	3,129,541	822,986	756,960	6,777,825
AVERAGE LENGTH OF STAY	9.2	9.0	9.6	10.4	9.1	9.8	9.8
MATERNITY							
HOSPITALS WITH SERVICE	8	9	6	19	13	9	64
MEAN OPERATING BEDS	179	204	145	631	240	170	1,569
BEDS PER 1000 POP.	1.0	1.4	1.4	1.2	1.2	1.2	1.2
AVERAGE DAILY CENSUS	119.9	99.6	90.3	411.1	156.5	96.5	973.9
CENSUS DAYS	43,760	36,359	32,973	150,046	57,129	35,205	355,472
OCCUPANCY RATE	67.0	48.8	62.3	65.2	65.2	56.7	62.1
DISCHARGES	12,755	9,287	7,378	35,327	12,997	9,393	87,137
DISCHARGE DAYS	45,932	35,178	28,281	142,917	48,183	38,606	339,097
AVERAGE LENGTH OF STAY	3.6	3.8	3.8	4.1	3.7	4.1	3.9
PEDIATRICS							
HOSPITALS WITH SERVICE	16	14	8	28	17	11	94
MEAN OPERATING BEDS	360	336	199	1,093	290	279	2,557
BEDS PER 1000 POP.	1.9	2.0	1.6	2.1	1.2	1.8	1.8
AVERAGE DAILY CENSUS	180.7	149.1	103.6	758.0	150.6	130.8	1,472.7
CENSUS DAYS	65,942	54,421	37,798	276,656	54,978	47,729	537,524
OCCUPANCY RATE	50.2	44.4	52.0	69.3	51.9	46.9	57.6
DISCHARGES	14,034	13,527	7,914	43,046	14,300	10,714	103,535
DISCHARGE DAYS	62,727	54,689	33,314	280,286	55,210	42,385	528,611
AVERAGE LENGTH OF STAY	4.5	4.0	4.2	6.5	3.9	3.9	5.1
PSYCHIATRIC							
HOSPITALS WITH UNITS	4	4	2	18	1	5	34
HOSPITALS WITH SERVICE	1	3	4	11	8	7	34
MEAN OPERATING BEDS	74	75	39	466	24	122	800
BEDS PER 1000 POP.	0.1	0.1	0.1	0.2	0.0	0.2	0.1
AVERAGE DAILY CENSUS	62.9	67.1	36.3	404.7	18.9	99.8	689.8
CENSUS DAYS	22,969	24,485	13,247	147,721	6,911	36,445	251,778
OCCUPANCY RATE	85.0	89.4	93.1	86.8	78.9	81.8	86.2
DISCHARGES	2,130	2,972	863	5,902	1,497	2,455	15,819
DISCHARGE DAYS	30,923	38,121	14,617	140,048	12,603	41,324	277,637
AVERAGE LENGTH OF STAY	14.5	12.8	16.9	23.7	8.4	16.8	17.6

MASS '76

util - of
acute hosp

SERVICE	HEALTH SERVICE AREA						STATE
	I	II	III	IV	V	VI	
CHRONIC AND LONG-TERM							
HOSPITALS WITH SERVICE	2	1	0	3	1	0	7
MEAN OPERATING BEDS	65	30	0	309	41	0	445
BEDS PER 1000 POP.	0.7	0.4	0.0	1.2	0.3	0.0	0.7
AVERAGE DAILY CENSUS	50.3	27.7	0.0	283.0	40.9	0.0	401.9
CENSUS DAYS	18,346	10,116	0	103,311	14,941	0	146,714
OCCUPANCY RATE	77.3	92.4	0	91.6	99.8	0	90.3
DISCHARGES	166	435	0	966	30	0	1,597
DISCHARGE DAYS	2,528	4,647	0	136,176	4,878	0	148,229
AVERAGE LENGTH OF STAY	15.2	10.7	0	141.0	162.6	0	92.8
TOTAL							
MEAN OPERATING BEDS	3,904	3,299	1,831	12,707	3,281	3,018	28,040
BEDS PER 1000 POP.	4.7	4.9	3.8	5.7	3.4	4.7	4.8
AVERAGE DAILY CENSUS	2,892.0	2,406.2	1,483.2	10,320.5	2,635.8	2,407.7	22,145.3
CENSUS DAYS	1,055,569	878,268	541,351	3,766,982	962,078	878,804	8,083,052
OCCUPANCY RATE	74.1	72.9	81.0	81.2	80.3	79.8	79.0
DISCHARGES	125,479	106,552	64,072	384,811	119,681	99,435	900,030
DISCHARGE DAYS	1,030,074	855,136	534,085	3,828,968	943,860	879,275	8,071,398
AVERAGE LENGTH OF STAY	8.2	8.0	8.3	9.9	7.9	8.8	9.0

Explanatory Notes:

Medical Surgical

Included in this category are utilization statistics for dental, gynecology, abortion (if reported separately from maternity unit statistics), physical rehabilitation, coronary care units and self care/minimum care units.

Maternity

Included in this category are obstetrics, clean gynecology, and abortions performed in beds designated for maternity service.

Pediatric

For most facilities, pediatric includes all patients age 14 and under. However, there is variance between hospitals as their age limits vary from 13 to 21. All discharges in the two pediatric hospitals (Children's Hospital Medical Center and North Shore Children's) were considered to be pediatric discharges.

The average length of stay for pediatric hospitals is lengthened by the addition of data from two hospitals serving children (Shriners Burns and Shriners Hospital for Crippled Children) which have long average stays.

Psychiatric

Data in this section includes data on adult or mixed age populations and alcohol and drug units. Hospitals designated as those with psychiatric units have beds which are set aside for psychiatric patients; those with psychiatric service include those facilities which reported psychiatric discharges but which had no designated psychiatric beds.

Chronic and Long Term

Included in this category are skilled nursing, extended care, chronic care and rehabilitation units combined.

Population

The populations used to calculate beds per 1000 population were as follows:

Medical Surgical — 15 years of age and older

Maternity — females 15-44 years of age

Pediatric — under 15 years

Psychiatric — 15 years of age and older

Chronic and Long Term — 65 years of age and older

Total — general population

TABLE 35

ACUTE HOSPITALS IN MASSACHUSETTS BY NUMBER OF BEDS & OCCUPANCY RATE

BED SIZE CATEGORY	NUMBER OF HOSPITALS	PERCENT OF TOTAL HOSPITALS	NUMBER OF BEDS	PERCENT OF TOTAL BEDS	OCCUPANCY RATE
6-24	1	0.8	16	0.1	54.5
25-49	5	3.8	178	0.6	51.7
50-99	27	20.8	2,063	7.4	71.7
100-199	40	30.8	5,726	20.1	74.0
200-299	28	21.5	6,972	25.0	78.0
300-399	17	13.1	5,786	20.8	82.2
400-499	8	6.1	3,538	12.7	84.6
500 or MORE	4	3.1	3,557	12.8	84.0
TOTAL	130	100.0	27,836	100.0	79.0

SOURCE: Massachusetts Department of Public Health
Annual Hospital Statistical Report, 1976

**SELECTED SURGICAL PROCEDURES PERFORMED
IN ACUTE HOSPITALS IN MASSACHUSETTS—1976**

SURGICAL PROCEDURES	ICDA CODE	HEALTH SERVICE AREAS						STATE	% OF TOTAL PATIENTS W/OPERATIONS
		I	II	III	IV	V	VI		
TONSIL- LECTOMY	21.1	940	571	312	1,722	1,178	545	5,268	1.2
ADENOIDECC- TOMY	21.3	471	358	114	953	489	363	2,748	0.6
T/A	21.2	1,811	1,260	728	2,477	1,964	820	9,060	2.1
HYSTEREC- TOMY	69.1 69.2	2,311	1,244	730	5,067	1,949	1,419	12,720	2.9
PARTIAL MASTEC- TOMY	65.3	631	688	426	2,855	852	793	6,245	1.4
COMPLETE RADICAL MASTECTOMY	65.6	351	320	180	1,388	396	310	2,945	0.7
INCISION/ EXCISION SKULL	1.0 1.9	181	174	178	1,606	113	86	2,338	0.5
TOTAL PATIENTS W/OPERATIONS		59,475	48,835	31,262	48,663	48,663	46,695	432,782	

SOURCE: Massachusetts Department of Public Health
Annual Hospital Statistical Report, 1976

CARDIAC SURGICAL PROCEDURES IN MASSACHUSETTS HOSPITALS, 1976

	CARDIAC PROCEDURES NOT REQUIRING BYPASS	CARDIAC PROCEDURES REQUIRING BYPASS VALVULAR REPAIR OR REPLACEMENT	CARDIAC PROCEDURES REQUIRING CORONARY ARTERY BYPASS	OTHER CARDIAC PROCEDURES REQUIRING BYPASS	CONGENITAL HEART OPERATIONS WITHOUT BYPASS	CONGENITAL HEART OPERATIONS WITH BYPASS OR DEEP HYPOTHERMIA	OTHER CONGENITAL HEART OPERATIONS	TOTAL ALL PROCEDURES
NUMBER OF HOSPITALS PERFORMING PROCEDURES	9	10	10	10	7	8	2	11
TOTAL NUMBER OF PROCEDURES	173	869	1,436	284	279	432	7	3,480
TOTAL DEATHS	5	83	41	60	18	39	3	249
MORTALITY RATES FOR HOSPITALS PERFORMING PROCEDURES	2.9%	9.5%	2.8%	21.1%	6.4%	9.0%	42.9%	7.1%

SOURCE: Massachusetts Department of Public Health
Cardiac Surgical Procedures Survey, 1976

CARDIAC CATHETERIZATION AND CORONARY ANGIOGRAPHY IN MASSACHUSETTS HOSPITALS, 1976

	LEFT HEART CATH ONLY	RIGHT HEART CATH ONLY	SWAN GANZ ⁽⁵⁾ ONLY	COMBINED LEFT & RIGHT CATH	CORONARY ANG- IOGRAPHY ONLY	CORONARY ANG- IOGRAPHY WITH CATH	OTHER CATH	TOTAL ALL PROCEDURES
NUMBER OF HOSPITALS PERFORMING PROCEDURES	10	20	45 ⁽¹⁾	17	9	19	18	48 ⁽²⁾
TOTAL NUMBER OF PROCEDURES	131	503	1,679	1,866	267	3,565	555 ⁽⁴⁾	8,262 ⁽⁶⁾
TOTAL DEATHS	1	0	3 ⁽³⁾	0	1	3	0	13 ⁽⁷⁾
MORTALITY RATES FOR HOSPITALS PERFORMING PROCEDURES	0.8%	0%	0.2%	0%	0.4	0.1	0%	0.2%

Notes:

- (1) Includes 2 facilities which perform procedures but were unable to provide statistics; includes 20 hospitals performing Swan Ganz only.
- (2) Includes 18 facilities with Cardiac Catheterization laboratories; includes 2 facilities with discrete pediatric units for cardiac catheterization.
- (3) 1 hospital was unable to provide number of deaths.
- (4) 1 hospital with 480 procedures included 288 of them in the "other" category.
- (5) In some facilities, Swan Ganz may be reported as a Right Heart Cath; preliminary investigation also indicates that the Swan Ganz procedure is under-reported in many facilities due to incomplete record-keeping.
- (6) 1 hospital performing 168 cardiac catheterizations was unable to report by procedure.
- (7) 1 hospital was unable to breakout deaths by procedures.

SOURCE: Massachusetts Department of Public Health
Cardiac Diagnostic and Pacemaker Procedures Survey

PACEMAKER PROCEDURES IN MASSACHUSETTS HOSPITALS, 1976

	PERMANENT TRANSVENOUS	TEMPORARY TRANS- VENOUS (WITH ⁽⁵⁾ FLUOROSCOPY)	TEMPORARY TRANS- VENOUS (WITHOUT FLUOROSCOPY)	EPICARDIAL	POWER PACK CHANGES	OTHER PACEMAKER PROCEDURES	TOTAL
NUMBER OF HOSPITALS PERFORMING PROCEDURES	75 ⁽¹⁾	64 ⁽³⁾	43 ⁽²⁾	15 ⁽¹⁾	60 ⁽¹⁾	27 ⁽³⁾	80
TOTAL NUMBER OF PROCEDURES	1,823	1,370	476	136	809	168	4,805 ⁽⁴⁾
TOTAL DEATHS	6	7	2	1	4	5	25
MORTALITY RATES FOR HOSPITALS PERFORMING PROCEDURES	0.3%	0.5%	0.4%	0.7%	0.5%	3.0%	0.5%

(1) 2 facilities unable to report # of procedures

(2) 3 facilities unable to report # of procedures

(3) 1 facility unable to report # of procedures

(4) 1 facility with 25 procedures was unable to differentiate by procedure. All procedures occur in total only.

(5) Preliminary investigation indicates that these procedures are generally under-reported due to incomplete record keeping

SOURCE: Cardiac Diagnostic and Pacemaker Procedures Survey
Massachusetts Department of Public Health

**SELECTED RADIOLOGICAL PROCEDURES PERFORMED
IN ACUTE HOSPITALS IN MASSACHUSETTS — 1976**

RADIOLOGICAL PROCEDURES	HEALTH SERVICE AREAS						
	I	II	III	IV	V	VI	STATE
DIAGNOSTIC RADIOLOGY	495,403	556,812	278,906	2,117,358	580,470	494,410	4,523,359
FLUOROSCOPY	49,908	41,752	25,591	160,601	49,608	50,500	377,960
THERAPEUTIC RADIATION	36,732	16,912	23,682	140,616	12,777	21,829	252,548
NUCLEAR MEDICINE PROCEDURES	26,253	31,691	17,925	112,770	21,673	21,631	231,943
TOTAL	608,296	647,167	346,104	2,531,345	664,528	588,370	5,385,810

SOURCE: Massachusetts Department of Public Health
Annual Hospital Statistical Report, 1976

TABLE 41

DESTINATION OF TRANSFERS FROM ACUTE HOSPITALS BY HEALTH SERVICE AREA, 1976

DESTINATION		HEALTH SERVICE AREA						TOTAL
		I	II	III	IV	V	VI	
NURSING OR REST HOME	NO.	3,610	3,757	2,053	11,909	4,413	2,844	28,586
	%	47.5	51.5	50.5	45.9	46.2	40.1	46.4
RESIDENCE WITH HOME CARE	NO.	2,162	1,807	800	5,476	2,671	2,281	15,197
	%	28.4	24.8	19.7	21.1	28.0	32.1	24.7
ACUTE HOSPITAL	NO.	863	807	665	2,580	827	785	6,527
	%	11.4	11.1	16.4	9.9	8.7	11.1	10.6
CHRONIC/ REHAB. HOSPITAL	NO.	244	252	303	3,221	450	427	4,897
	%	3.2	3.5	7.5	12.4	4.7	6.0	7.9
PSYCHIATRIC HOSPITAL	NO.	99	204	86	1,062	110	145	1,706
	%	1.3	2.8	2.1	4.1	1.1	2.0	2.8
OTHER	NO.	622	463	156	1,712	1,084	614	4,651
	%	8.2	6.3	3.8	6.6	11.3	8.7	7.6
TOTAL	NO.	7,600	7,290	4,063	25,960	9,555	7,096	61,564
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: Massachusetts Department of Public Health
Annual Hospital Statistical Report, 1976

**FULL AND PART-TIME PERSONNEL EMPLOYED IN ACUTE HOSPITALS
MASSACHUSETTS HEALTH SERVICE AREAS — 1976**

CATEGORY OF PERSONNEL		HEALTH SERVICE AREAS							% OF TOTAL PERSONNEL
		I	II	III	IV	V	VI	STATE	
		NUMBER OF EMPLOYEES							
NON-HEALTH RELATED PERSONNEL	F.T.	2,040	2,629	1,455	8,687	3,096	2,082	19,989	31.5
	P.T.	1,203	1,121	554	5,918	1,293	1,296	11,385	
REGISTERED NURSES	F.T.	1,800	1,589	822	6,831	1,430	1,573	14,045	22.8
	P.T.	1,078	1,054	807	3,263	1,279	1,131	8,612	
OTHER HEALTH RELATED PERSONNEL ⁽¹⁾	F.T.	527	769	648	4,974	685	1,307	8,910	11.6
	P.T.	179	253	221	1,142	271	606	2,672	
MEDICAL RADIOLOGICAL LABORATORY TECHNICIANS	F.T.	672	661	364	3,155	607	683	6,142	8.7
	P.T.	193	331	195	1,120	268	383	2,470	
NURSING AIDES	F.T.	753	511	344	3,000	599	599	5,806	8.5
	P.T.	361	265	266	1,128	296	285	2,601	
LICENSED PRACTICAL NURSES	F.T.	714	643	303	1,786	694	389	4,529	7.2
	P.T.	410	413	240	668	562	322	2,615	
INTERN/ RESIDENTS	F.T.	160	286	—	2,193	4	13	2,656	2.7
	P.T.	—	14	—	69	—	—	83	
PHYSICAL/ RESPIRATORY THERAPISTS & AIDES	F.T.	167	160	114	794	218	218	1,671	2.0
	P.T.	42	43	28	127	45	46	331	
MEDICAL RECORDS	F.T.	167	145	87	640	196	147	1,382	1.9
	P.T.	35	61	52	192	84	80	504	
PHARMACISTS/ PHARMACY TECHNICIANS	F.T.	100	73	44	393	95	76	781	1.1
	P.T.	20	20	16	157	31	26	270	
DIETICIANS	F.T.	64	77	34	374	59	64	672	0.9
	P.T.	15	41	17	69	23	29	194	
PHYSICIANS	F.T.	95	60	3	229	37	55	479	0.8
	P.T.	26	112	—	180	4	17	339	
ADMINI-STRATORS/ASST. ADMINISTRATORS	F.T.	63	36	30	98	46	36	309	0.3
	P.T.	1	—	—	1	—	—	2	
TOTAL PERSONNEL	F.T.	7,322	7,639	4,248	33,154	7,766	7,242	67,371	100.0
	P.T.	3,563	3,708	2,396	14,034	4,156	4,221	32,078	

⁽¹⁾Category includes occupational therapists and aides, medical social workers, dentists and dental interns, and other health-related personnel.

SOURCE: Massachusetts Department of Public Health
Annual Hospital Statistical Report, 1976

TABLE 43

**UTILIZATION OF CHRONIC AND REHABILITATION HOSPITALS
BY HEALTH SERVICE AREA, 1976**

	HEALTH SERVICE AREA						
	I	II	III	IV	V	VI	STATE
NUMBER OF HOSPITALS	4	4	4	15	5	1	33
OPERATING BEDS	910	402	1,650	3,910	402	86	7,360
AVERAGE DAILY CENSUS	794	343.7	1218.1	3,255.8	321.7	59.3	5,992.6
OCCUPANCY RATE	87.3	85.5	73.8	83.3	80.0	68.9	81.4
BEDS PER 1000 POPULATION (65 and over)	9.6	5.2	32.5	15.5	3.4	1.1	11.0
DISCHARGES	1,847	713	1,052	9,519	1,040	710	14,881
CENSUS DAYS	289,820	125,456	444,616	1,188,365	117,404	21,643	2,187,304
AVERAGE LENGTH OF STAY	173.6	173.0	511.1	133.7	102.3	10.5	159.1

SOURCE: Massachusetts Department of Public Health
Annual Hospital Statistical Report, 1976

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	OPER BEDS	CENSUS DAYS	AVERAGE DAILY CEN	OCCUP RATF	DIS- CHARGES	AVR STAY	AVR STAY
11 ACUTE	FAIRVIEW HOSPITAL	GT. HARRINGTON	0070	020419	0055.7	079.7%	002499	0004.2	00012.5
	NORTH ADAMS REG. HOSPITAL, INC	NORTH ADAMS	0200	049684	0135.7	067.5%	007002	0007.1	00011.1
	HILLCREST HOSPITAL	PITTSFIELD	0142	036109	0094.6	069.5%	004274	0008.5	00014.6
	BERKSHIRE MEDICAL CENTER	PITTSFIELD	0414	120979	0330.5	074.8%	010518	0008.6	00015.9
11 ACUTE			426	227191	620.7	75.1%	28293	8.2	14.0
PSYCH	AUSTEN RIGGS CENTER, INC.	STOCKBRIDGE	0043	015223	0041.6	096.7%	000039	0074.5	00000.0
11 PSYCH			43	15223	41.6	96.7%	59	474.5	
11			469	242414	664.1	76.4%	28332	8.8	14.0
12 ACUTE	ATHOL MEMORIAL HOSPITAL	ATHOL	0101	024575	0067.1	065.2%	003153	0007.8	00013.1
	FRANKLIN COUNTY PUBLIC HOSP	GREENFIELD	0191	048360	0132.0	069.2%	006487	0007.6	00011.5
	FARREN MEMORIAL HOSPITAL	TURNERS FALLS	0102	020519	0056.1	055.0%	002671	0007.6	00010.1
	CONLEY DICKINSON HOSPITAL	NORTHAMPTON	0262	071383	0195.0	075.6%	009802	0007.3	00012.3
12 ACUTE			656	164837	450.4	68.9%	22113	7.5	11.9
CHRONIC	HAMPSHIRE CIV WAR DIS HOSPITAL	NORTHAMPTON	0120	043302	0118.3	098.6%	000102	0382.8	00007.5
12 CHRONIC			120	43302	118.3	98.6%	102	382.8	407.5
PSYCH	NORTHAMPTON STATE HOSPITAL	NORTHAMPTON	0637	188220	0514.3		001421		
	NORTHAMPTON VA HOSPITAL	NORTHAMPTON	0755	249414	0681.5	092.0%	001950	0140.5	00306.3
12 PSYCH			1392	437634			3375	274593	
12			2168	645773	1253.6	81.9	25590	19.9	24.4
13 ACUTE	HOLYOKE HOSPITAL	HOLYOKE	0310	088689	0242.3	078.2%	009467	0009.4	00013.9
	PROVIDENCE HOSPITAL	HOLYOKE	0247	065874	0140.0	072.9%	008072	0009.2	00017.6
	LUDLOW HOSPITAL SOCIETY	LUDLOW	0102	017517	0047.8	046.5%	002447	0007.2	00010.5
	WING MEMORIAL HOSPITAL	PALMER	0094	020932	0057.2	059.0%	002744	0008.0	00010.7
	MERCY HOSPITAL	SPRINGFIELD	0307	089546	0244.6	079.7%	009448	0009.3	00014.5
	SHRINER'S HOSPITAL	SPRINGFIELD	0060	016639	0045.5	075.8%	000420	0039.6	00000.0
	RAY STATE MEDICAL CENTER	SPRINGFIELD	1036	302063	0825.3	079.7%	034137	0008.0	00013.6
	MARY LANE HOSPITAL	WARE	0078	020754	0056.7	072.7%	003226	0006.5	00010.5
	NOBLE HOSPITAL, INC.	WESTFIELD	0172	041525	0113.5	061.3%	005115	0008.3	00013.7
13 ACUTE			2406	663541	1813.0	74.8%	75076	8.5	13.7
CHRONIC	SOLDIERS' HOME IN HOLYOKE	HOLYOKE	0232	069984	0191.2	082.4%	000644	0132.7	00012.6
	SPRINGFIELD MUNICIPAL HOSPITAL	SPRINGFIELD	0438	148966	0407.0	092.9%	000229	0744.4	00759.5
	WESTERN MASSACHUSETTS HOSPITAL	WESTFIELD	0120	027568	0075.3	062.8%	000872	0029.4	00036.2
13 CHRONIC			790	246518	673.5	85.2%	1745	161.4	236.6
13			3196	910059	2493.3	78.0%	76821	12.0	21.3
21 ACUTE	NASHOBA COMMUNITY HOSPITAL	AYER	0102	022907	0062.6	061.4%	003256	0007.1	00011.2
	CUTLER ARMY HOSPITAL	AYER	0116	018755	0051.2	044.2%	002455	0007.1	

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	OPER BEDS	CENSUS DAYS	AVERAGE DAILY CEN	OCCUP RATE	DIS- CHARGES	DISCHARGE DAYS	AVER STAY	AVER STAY AFTER 45
21 ACUTE	CLINTON HOSPITAL	CLINTON	0082	020214	0055.2	047.4%	002246	020340	0009.1	00014.4
	BURBANK HOSPITAL, INC.	FITCHBURG	0242	061552	0168.2	049.2%	008430	061621	0007.4	00012.7
	HENRY HEYWOOD MEMORIAL HOSP.	GARDNER	0153	038957	0106.4	069.6%	005628	039880	0007.1	00012.8
	LEWISTON HOSPITAL	LEWISTON	0150	042710	0116.7	077.8%	005846	042847	0007.3	00012.8
	WINCHESTER HOSPITAL	WINCHESTER	0040	005243	0014.3	035.4%	000998	005527	0005.5	00007.7
21 ACUTE			885	210338	576.7	64.9%	28737	210733	7.3	12.5
CHRONIC	RUTLAND HEIGHTS HOSPITAL	RUTLAND	0190	050981	0139.3	086.5%	000491	037724	0076.8	00152.1
21 CHRONIC			190	50981	139.3	86.5	491	37724	76.8	152.1
PSYCH	NAUKEAG HOSPITAL	ASHMUNHAM	0026	005433	0014.4	087.3%	000322	005362	0016.7	00017.5
	GARDNER STATE HOSPITAL	GARDNER	0000	058558	0160.0		000490			
21 PSYCH			26	63991			812	5362		
21			1101	325310	730.8	66.4	30040	253819	8.6	14.5
22 ACUTE	MOLDEN DISTRICT HOSPITAL, INC.	MOLDEN	0082	021473	0058.7	071.5%	002968	021668	0007.3	00011.0
	WORCESTER MAHANN HOSPITAL	WORCESTER	0240	070857	0143.6	080.7%	010651	072544	0006.4	00011.7
	FAIRLAWN HOSPITAL	WORCESTER	0104	027735	0075.8	072.9%	004422	028220	0006.4	00011.2
	MEMORIAL HOSPITAL	WORCESTER	0371	111852	0305.6	083.5%	015085	112089	0007.4	00012.8
	WORCESTER CITY HOSPITAL	WORCESTER	0388	096986	0265.0	067.8%	010888	096988	0006.9	00011.0
	ST. VINCENT HOSPITAL	WORCESTER	0600	174433	0476.6	079.4%	017265	178274	0010.2	00015.9
	UNIVERSITY OF MASS. HOSPITAL	WORCESTER	0062	005636	0015.4	067.0%	000598	005055	0008.4	00010.7
	DOCTORS HOSP. OF WORCESTER INC	WORCESTER	0148	027304	0074.6	045.2%	003299	027153	0008.2	00013.2
22 ACUTE			1995	536276	1465.2	74.3%	65154	539989	8.3	12.9
CHRONIC	WORCESTER COUNTY HOSPITAL	ROYLSTON	0122	038930	0106.4	087.2%	000124	045647	0364.0	00364.0
	NOTRE DAME CHRONIC DIS. HOSP.	WORCESTER	0051	018660	0051.0	100.0%	000111	002273	0206.6	00206.6
22 CHRONIC			173	57590	157.3	90.9%	135	47920	355.0	350.1
PSYCH	WORCESTER STATE HOSPITAL	WORCESTER	0607	166368	0454.6		001628			
22 PSYCH			607	166368			1628			
22			2775	760234	1624.0	75.0	66917	587909	9.0	15.5
23 ACUTE	MILFORD-WHITTINGVILLE REG. HOSP.	MILFORD	0191	061743	0168.8	088.3%	006593	059225	0009.0	00016.5
	HARRINGTON MEMORIAL HOSPITAL	SMITHFIELD	0121	035689	0097.5	080.6%	004894	035822	0007.3	00012.1
	HUBBARD REGIONAL HOSPITAL	WORCESTER	0097	028624	0078.2	080.6%	003541	028492	0008.0	00012.1
23 ACUTE			409	126056	344.4	84.2%	15028	123539	8.2	14.0
CHRONIC	ST. CAMILLUS HOSPITAL, INC.	NORTHBRIDGE	0068	016885	0046.1	067.8%	000087	017690	0433.2	00191.7
23 CHRONIC			68	16885	46.1	67.8%	87	37690	433.2	191.7
23			477	142941	390.5	81.9%	15115	161229	10.7	17.2

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1974

HSA TYPE	NAME OF FACILITY	CITY/TOWN	OPER BEDS	CENSUS DAYS	AVERAGE DAILY CEN	OCCUP RATE	DIS- CHARGES	DISCHARGE DAYS	AVER STAY QTY	AVER STAY QTY
31 ACUTE	ST. JOHN'S HOSPITAL	LOWELL	0256	072442	0197.9	077.3%	008333	072403	0008.7	00013.4
	LOWELL GENERAL HOSPITAL	LOWELL	0202	083141	0227.1	077.8%	010045	082686	0007.9	00031.1
	ST. JOSEPH'S HOSPITAL, INC.	LOWELL	0275	067262	0183.7	068.8%	008532	067697	0007.9	00013.8
31 ACUTE			823	222845	608.9	74.0%	27350	222786	8.1	13.4
CHRONIC	REACONCREST CHRONIC HOSPITAL	LOWELL	0104	036856	0100.2	096.3%	000053	049036	0025.2	00925.2
	TEXKSABURY HOSPITAL	TEXKSABURY	1405	330180	0902.1	068.0%	000789	403898	0511.9	01026.8
31 CHRONIC			1509	368836	1002.3	70.1%	842	452944	537.9	1007.5
PSYCH	M.C. SOLOMON MENTAL HEALTH CTR	LOWELL	0040	012737	0034.8	087.0%	000040			
31 PSYCH			40	12737	34.8	87.0%	480			
31			2372	602418	1645.9	69.4%	28672	675720	24.0	57.0
32 ACUTE	LAWRENCE GENERAL HOSPITAL	LAWRENCE	0361	110010	0325.1	090.1%	012100	116493	0009.6	00015.4
	BON SECOURS HOSPITAL, INC.	METHUEN	0242	090232	0246.5	087.4%	010083	090695	0009.0	00014.5
32 ACUTE			643	209242	571.7	88.9%	22183	207188	9.3	15.0
32			643	209242	571.7	88.9%	22183	207188	9.3	15.0
33 ACUTE	AMESBURY HOSPITAL	AMESBURY	0063	020076	0050.9	087.1%	002417	019008	0007.9	00012.5
	HAVERHILL MUNICIPAL (MALE) HOS	HAVERHILL	0202	059776	0163.3	080.9%	008333	060084	0007.2	00011.2
	ANNA JACQUES HOSPITAL	NEWBURYPORT	0100	029012	0080.3	080.3%	004567	029232	0006.4	00011.7
33 ACUTE			365	109264	298.5	81.8%	15317	108324	7.1	11.6
CHRONIC	PENTUCKET MANOR CHR DIS HOSP	HAVERHILL	0118	041595	0113.6	096.3%	000135	041480	0307.3	00307.3
	NEWBURYPORT MANOR CHRONIC HOSP	NEWBURYPORT	0102	056185	0098.9	098.9%	000075	043282	0577.1	00577.1
33 CHRONIC			220	77780	212.5	96.6%	210	84762	403.6	403.6
PSYCH	BALDPATE, INC.	GEORGETOWN	0059	012697	0034.7	058.4%	000538	010211	0019.0	00002.5
33 PSYCH			59	12697	34.7	58.8%	538	10211	19.0	2.5
33			644	199741	545.7	84.7%	16065	203297	12.7	29.7
41 ACUTE	CARNEY HOSPITAL	BOSTON	0376	119236	0325.7	086.6%	011181	122724	0011.0	00015.6
	HUNTINGTON GENERAL HOSPITAL	JAMAICA PLAIN	0080	020688	0056.5	070.7%	002040	020837	0010.2	00013.0
	FAULKNER HOSPITAL	JAMAICA PLAIN	0234	061550	0168.1	085.4%	005325	063822	0012.0	00015.7
	PARKER HILL MEDICAL CENTER	BOSTON	0088	022352	0061.1	069.3%	002416	023056	0009.5	00014.2
	NEW ENGLAND BAPTIST HOSPITAL	BOSTON	0250	074793	0204.3	081.7%	006410	074096	0011.6	00015.0
	ROBERT R. BRIGHAM HOSPITAL	BOSTON	0096	029452	0080.5	083.8%	001974	029479	0014.9	00016.9
	ST. MARGARET'S HOSP. FOR WOMEN	DORCHESTER	0117	023833	0065.1	056.1%	005192	023718	0004.5	00007.5
	BETH ISRAEL HOSPITAL	BOSTON	0412	122649	0336.9	084.2%	014337	122827	0008.6	00013.1
	UNIVERSITY HOSPITAL	BOSTON	0373	116083	0317.2	085.0%	009252	116982	0012.6	00015.8
	ST. ELIZABETH'S HOSPITAL, INC.	BRIGHTON	0400	113339	0309.6	076.3%	011569	111420	0009.6	00014.4
	MAHLEMAN HOSPITAL	BRIGHTON	0065	013489	0036.9	056.7%	001423	013720	0009.6	00013.0
	NEW ENGLAND DEACONESS HOSPITAL	BOSTON	0471	159409	0437.9	094.2%	013342	160668	0012.0	00014.7

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	OPER BEDS	FEMINIS DAYS	AVERAGE DAILY CAP	OCCUP RATE	NTS- CHARGES	DISCHARGE DAYS	AVR STAY	AVR STAY OVER
41 ACUTE										
	LONGWOOD HOSPITAL	BOSTON	0075	017502	0047.8	063.8%	001545	017152	0011.1	00014.4
	CHILDREN'S HOSP MEDICAL CENTER	BOSTON	0343	101358	0276.9	080.7%	013177	101358	0007.7	00000.0
	WARR. EYE AND EAR INFIRMARY	BOSTON	0174	055190	0150.8	086.7%	011154	054888	0004.9	00005.6
	MASSACHUSETTS GENERAL HOSPITAL	BOSTON	1084	357390	0976.4	108.1%	000770	359786	0011.7	00013.5
	PETER BENT BRIGHAM HOSPITAL	BOSTON	0330	112091	0306.3	092.8%	010440	112653	0010.8	00013.8
	J.P. KENNEDY JR. MEMORIAL HOSP	BRIGHTON	0088	026151	0071.4	072.2%	001203	026228	0021.8	00000.0
	N.W. ENGLAND MEDICAL CENTR HOSP	BOSTON	0452	147192	0396.7	088.8%	015317	141075	0010.1	00013.3
	BOSTON CITY HOSPITAL	BOSTON	0454	132953	0363.2	077.0%	015317	130306	0008.5	00015.9
	SHRINERS RIJURS INSTITUTE	BOSTON	0030	006687	0018.2	060.0%	000345	006687	0019.3	00000.0
	LEMUEL SHATTUCK HOSPITAL	JAMAICA PLAIN	0130	042888	0116.6	085.8%	001615	043004	0026.6	00042.7
	BOSTON HOSPITAL FOR WOMEN	BOSTON	0262	062403	0170.5	065.1%	017552	063704	0003.6	00007.4
	BOSTON VA HOSPITAL	BOSTON	0837	257338	0703.1	084.0%	013208	230312	0017.4	00027.3
	WEST BOSTON VA HOSPITAL	WEST BOSTON	0259	076951	0210.2	081.2%	003387	171515	0050.6	00017.9
	U.S. PUBLIC HEALTH HOSPITAL	BRIGHTON	0122	029298	0080.0	065.6%	002417	029439	0012.2	00006.8
	SIDNEY FARRER CANCER CENTER	BOSTON	0026	002873	0007.8	060.4%	000393	002806	0007.1	00011.3
	BROOKLINE HOSPITAL	BROOKLINE	0084	020304	0055.6	066.1%	002731	020728	0007.4	00009.4
	LAHEY CLINIC - BARNES HOSP DIV	BROOKLINE	0060	014071	0043.9	073.2%	002292	016206	0007.1	00014.3
	CHELSEA MEMORIAL HOSPITAL	CHELSEA	0075	018023	0049.2	065.6%	001875	018567	0009.9	00036.8
	L.F. QUIGLEY WFM. HOSP AND ECF	CHELSEA	0186	050243	0137.3	071.1%	001951	045466	0023.3	00071.0
	GROVER MANOR HOSPITAL	NEVERE	0161	045764	0125.0	077.6%	001301	054070	0041.6	00011.5
	WINTHROP COMMUNITY HOSPITAL	WINTHROP	0065	019828	0054.2	083.3%	002434	019696	0008.1	00011.5
41 ACUTE			4259	2475211	6762.9	82.1%	233596	2548995	10.9	15.1
CHRONIC										
	JEWISH MEMORIAL HOSPITAL	BROXBURY	0207	059413	0162.3	078.4%	000306	074087	0242.1	00226.7
	ST. JOHN OF GOD HOSPITAL	BRIGHTON	0079	027084	0074.0	093.7%	000107	022884	0213.9	00210.2
	HERREW REHAB CENTER FOR AGED	ROSLINDALE	0725	257404	0703.3	097.0%	000138	296286	2147.0	02147.0
	MASS. REHABILITATION HOSPITAL	BOSTON	0284	096484	0263.6	092.8%	002030	100567	0049.5	00046.9
	MATTAPAN HOSPITAL	BOSTON	0199	054421	0148.7	074.7%	000579	050915	0087.9	00108.8
	LONG ISLAND HOSPITAL	BOSTON	0407	130976	0357.8	072.9%	000942	205152	0217.8	00217.8
41 CHRONIC			1901	625782	1714.5	90.2%	4102	749491	182.8	227.4
PSYCH										
	BOSTON STATE HOSPITAL	BOSTON	0400	079148	0216.3	054.1%	000893			
	MASS. MENTAL HEALTH CENTER	BOSTON	0102	034446	0094.1	092.3%	001246			
	GLENVIEW HOSPITAL	JAMAICA PLAIN	0115	033790	0092.3	080.3%	001828	037180	0020.3	00023.2
	WASHINGTON CTR FOR ADDICT.	JAMAICA PLAIN	0050	011844	0032.4	064.7%	001715	011662	0006.8	00006.7
	ERICH LINDEMANN MENTL HLTH CTR	BROOKLINE	0046	016898	0046.2	100.4%	000411			
	HUMAN RESOURCE INST. OF BOSTON	BROOKLINE	0068	022733	0062.1	091.3%	000898	022226	0024.7	00024.0
	BORNEWOOD HOSPITAL	BROOKLINE	0090	023486	0064.2	071.3%	000957	024214	0025.3	00025.8
41 PSYCH			871	222345	607.5	69.7%	7948	95282		
41			11031	3323338	9142.5	82.1%	245646	3394168	14.0	24.6
42 ACUTE										
	SYMES HOSPITAL	ARLINGTON	0179	048938	0133.7	074.3%	005222	048674	0009.3	00013.8
	MOUNT AUBURN HOSPITAL	CAMBRIDGE	0300	091600	0250.3	083.4%	009449	092257	0009.8	00013.7
	CAMBRIDGE HOSPITAL	CAMBRIDGE	0190	052808	0143.4	075.5%	006726	052860	0007.9	00013.8
	SANCTA MARTA HOSPITAL	CAMBRIDGE	0150	046163	0126.1	084.1%	004736	045835	0009.7	00013.3
	EMERSON HOSPITAL	CONCORD	0221	061072	0166.9	075.5%	009156	061040	0006.7	00010.6
	SOMERVILLE HOSPITAL, INC.	SOMERVILLE	0129	039686	0108.4	084.1%	004778	040078	0008.4	00012.5
	CENTRAL HOSPITAL, INC.	SOMERVILLE	0113	024842	0067.9	060.0%	002549	024842	00015.0	00015.0
	WINCHESTER HOSPITAL	WINCHESTER	0191	086322	0235.8	091.4%	008784	115547	0013.2	00037.1

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	UPPER CENSUS BEDS	AVERAGE DAILY CFN	OCCUP RATE	DIS- CHARGE DAYS	DISCHARGE AVER STAY	AVR STAY 55XOVER
42 ACUTE	CROATE MEMORIAL HOSPITAL	WOBURN	0174	051351	077.9%	006057	001501	0008.5 00013.0
42 ACUTE			1647	502482	79.8%	57457	532654	9.3 16.3
CHRONIC	YOUNG LIE HOSPITAL	CAMBRIDGE	0305	110782	099.2%	000656	115147	0175.6 00166.5
	OTIS HOSPITAL	CAMBRIDGE	0109	034298	095.1%	000108	036210	0335.3 00324.5
	NEW ENGLAND REHAB. HOSPITAL	WOBURN	0198	066343	091.5%	001354	063454	0047.0 00042.4
42 CHRONIC			612	215423	96.0%	2122	215251	101.4 101.5
PSYCH	REDFORD VA HOSPITAL	REDFORD	0965	332694	094.2%	002249	323685	0143.9 00331.3
	MCLEAN HOSPITAL	REDFORD	0321	101205	087.0%	001393	097165	0069.8 00063.2
	VALLEYHEAD HOSPITAL	CAPTISL	0072	012840	048.7%	000344	012840	0036.9 00112.9
42 PSYCH			1358	446829	89.9%	3990	433690	108.7 262.5
42			3617	1164734	88.0%	83569	1181575	18.6 29.8
43 ACUTE	FRAMINGHAM UNION HOSPITAL, INC	FRAMINGHAM	0294	082790	077.5%	013853	082874	0004.0 00011.8
	WALBORN HOSPITAL	WALBORN	0136	030102	060.5%	004917	030268	0006.2 00009.5
	LENNARD MORSE HOSPITAL	NATICK	0251	064609	078.1%	007839	064605	00013.2 00013.2
	GLOVER MEMORIAL HOSPITAL	NEEDHAM	0101	026863	072.7%	003499	027368	0007.8 00013.3
	NEWTON-WELLESLEY HOSPITAL	NEWTON	0339	097142	078.3%	010571	098066	00009.3 00011.5
	WALTHAM HOSPITAL	WALTHAM	0307	094108	083.8%	010315	083355	0009.1 00015.3
	E.K. SHRIVER CTR. MENTAL RETARD	WALTHAM	0016	003183	054.4%	000366	004503	0012.3 00010.8
43 ACUTE			1444	398797	76.9%	51360	402035	7.8 12.5
CHRONIC	HEIMANN HOSPITAL	FRAMINGHAM	0103	029282	077.7%	000229	029282	0127.9 00096.2
	CUSHING HOSPITAL	FRAMINGHAM	0650	186296	078.3%	000106	191777	1809.2 01809.2
	MIDDLESEX COUNTY HOSPITAL	WALTHAM	0170	057529	092.5%	002045	042729	0020.8 00069.7
43 CHRONIC			923	273107	80.8%	2380	263788	110.8 407.3
PSYCH	METROPOLITAN STATE HOSPITAL	WALTHAM	0600	207834	094.6%	001852		
	CHARLES RIVER HOSPITAL	WELLESLEY	0058	002179	015.6%	000082	001818	0022.2 00012.8
	WESTBORN HOSPITAL	WESTBORN	0536	188430	096.1%	001233		
43 PSYCH			1194	398443	91.2%	3167	1818	
43			3561	1070347	82.1%	56907	667641	12.4 28.3
44 ACUTE	NORWOOD HOSPITAL	NORWOOD	0277	085884	084.7%	011271	086221	0007.6 00013.7
	PONDVILLE HOSPITAL	WALPOLE	0104	021481	056.4%	001179	021485	0018.2 00017.4
	RAYMOND HOSP - WRENTHAM STATE	WRENTHAM	0065	019032	080.0%	000443	006202	0014.0 .
44 ACUTE			446	126397	77.4%	12893	113908	8.8 14.3
CHRONIC	MASSACHUSETTS HOSPITAL SCHOOL	CANTON	0170	028160	045.2%	000253		00000.0
44 CHRONIC			170	28160	45.2%	253		
PSYCH	FOXBOROUGH STATE HOSPITAL	FOXBOROUGH	0000	006114		000317		

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	UPPER CENSUS BEDS	AVERAGE DAILY CAP.	OCCUP RATE	DIS- CHARGES	DISCHARGE DAYS	AVER STAY	AVER STAY 65RNVFR
44 PSYCH	WENFIELD STATE HOSPITAL WESTWOOD LODGE HOSPITAL	WENFIELD WESTWOOD	0302 0009	134404 018251	0367.3 0049.9	000087 000616	018251	0029.6	
44 PSYCH			441	158813		1820	18251		
44			1057	313370	473.4	14964	142159	9.8	14.3
45 ACUTE	MILTON HOSPITAL QUINCY CITY HOSPITAL SOUTH SHORE HOSPITAL	MILTON QUINCY SOUTH WEYMOUTH	0150 0367 0234	042324 107789 076113	0115.6 0294.5 0208.0	004557 012525 011647	042393 108270 076259	0009.3 0008.6 0006.5	00013.5 00013.5 00011.1
45 ACUTE			755	226230	618.1	28769	226922	7.9	12.8
CHRONIC	NORFOLK COUNTY HOSPITAL BRAINTREE HOSPITAL	BRAINTREE BRAINTREE	0124 0120	017049 028844	0046.6 0078.8	000240 000022	017049 026291	0071.0 0062.3	00074.4 00059.9
45 CHRONIC			244	45893	125.4	462	43340	65.5	64.5
45			999	272123	745.5	29431	270262	9.2	14.9
51 ACUTE	STURDY MEMORIAL HOSPITAL	ATTLEBORO	0208	059825	0163.4	008271	059941	0007.2	00012.6
51 ACUTE			208	59825	163.4	8271	59941	7.2	12.6
PSYCH	FULLER MEMORIAL HOSPITAL	SOUTH ATTLEBORO	0059	016949	0046.3	000743	018591	0025.0	00054.5
51 PSYCH			59	16949	46.3	743	18591	25.0	54.5
51			267	76794	210.4	9014	78532	8.7	14.3
52 ACUTE	BROCKTON HOSPITAL CARDINAL CUSHING GENERAL HOSP. GODDARD MEMORIAL HOSPITAL	BROCKTON BROCKTON STOUGHTON	0322 0275 0236	092236 084221 070539	0252.0 0230.1 0192.7	010909 009049 010824	094026 083873 071465	0008.6 0009.3 0006.6	00013.9 00014.1 00012.5
52 ACUTE			833	246996	674.9	30782	249364	8.1	13.7
CHRONIC	NEW ENGLAND SINAI HOSPITAL	STOUGHTON	0100	022811	0062.3	000174	011772	0067.6	00070.3
52 CHRONIC			100	22811	62.3	174	11772	67.6	70.3
PSYCH	BRIDGEWATER STATE HOSPITAL BROCKTON VA HOSPITAL	BRIDGEWATER BROCKTON	0442 0966	115898 322361	0316.7 0880.7	000915 002557	332005	0129.8	
52 PSYCH			1408	438259	1197.4	3472	332005		
52			2341	708066	1872.3	34428	593141	17.7	14.6
53 ACUTE	JORDAN HOSPITAL	PLYMOUTH	0131	039189	0107.1	005838	039189	0006.7	00010.0
53 ACUTE			131	39189	107.1	5838	39189	6.7	10.0
CHRONIC	PLYMOUTH COUNTY HOSPITAL	HANSON	0068	023158	0063.3	000111	024234	0218.3	00210.1

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	OPER BEDS	CENSUS DAYS	AVERAGE DAILY CEN	OCCUP RATE	DIS- CHARGES	DISCHARGE DAYS	AVER STAY	AVER STAY 65&OVER
53 CHRONIC			64	23154	63.3	93.0%	111	24234	218.3	210.1
53			199	62347	170.3	85.6%	5949	63423	10.7	19.1
54 ACUTE	ST. LUKE'S HOSPITAL-MIDDLEBORO MORTON HOSPITAL	MIDDLEBOROUGH TAUNTON	0066 0196	014600 057223	0039.9 0156.3	060.4% 079.8%	001914 007954	013747 059001	0007.2 0007.4	00011.1 00012.5
54 ACUTE			262	71823	196.2	74.9%	9868	72748	7.4	12.3
CHRONIC	LAKEVILLE HOSPITAL	LAKEVILLE	0150	034999	0095.6	063.8%	000275	033900	0123.5	00060.1
54 CHRONIC			150	34999	95.6	63.8%	275	33900	123.5	60.1
PSYCH	TAUNTON STATE HOSPITAL	TAUNTON	0676	235823	0644.3		001550			
54 PSYCH			676	235823			1550			
54			1088	342645	292.7	71.0	11693	106708	10.5	13.9
55 ACUTE	ST. ANNE'S HOSPITAL, INC. UNION-TRUEBLODE HOSPITAL, INC.	FALL RIVER FALL RIVER	0220 0489	061726 154418	0168.6 0424.6	076.7% 086.8%	007664 016323	064763 145716	0008.4 0008.9	00015.2 00013.8
55 ACUTE			709	217144	593.3	83.7%	23987	210479	8.8	14.2
PSYCH	J.C. CORRIGAN MENTAL HLTH CTR	FALL RIVER	0020	004803	0013.1	065.6%	000269			
55 PSYCH			20	4803	13.1	65.6%	269			
55			729	221947	606.4	83.2%	24256	210479	8.7	14.2
56 ACUTE	ST. LUKE'S HOSPITAL (NR) UNION HOSP. OF NEW BEDFORD	NEW BEDFORD NEW BEDFORD	0446 0125	139925 026931	0382.3 0073.6	085.7% 058.9%	016411 003438	140872 026876	0008.6 0007.8	00014.7 00012.2
56 ACUTE			571	166856	455.9	79.8%	19849	167748	8.5	14.4
CHRONIC	FRANCES P. MEMORIAL HOSPITAL	NEW BEDFORD	0061	020961	0057.2	093.9%	000097	020961	0216.1	00197.9
56 CHRONIC			61	20961	57.2	93.9%	97	20961	216.1	197.9
56			632	187817	513.2	81.2%	19946	188709	9.5	17.5
57 ACUTE	CAPE COD HOSPITAL, INC. FALMOUTH HOSPITAL	BARNSTAB-HYANNIS FALMOUTH	0243 0088	071804 025021	0196.2 0068.4	080.7% 077.7%	010068 004982	073077 025117	0007.3 0005.0	00009.4 00007.3
57 ACUTE	NANTUCKET COTTAGE HOSPITAL MARTHA'S VINEYARD HOSPITAL TOREY HOSPITAL, INC.	NANTUCKET OAK BLUFFS WAREHAM	0050 0080 0089	013512 024331 021549	0036.9 0066.5 0058.9	073.8% 083.1% 066.2%	000989 001221 003826	010829 014091 021313	0010.7 0011.7 0005.6	00020.6 00011.7 00008.4
57 ACUTE			550	156217	426.8	77.6%	21086	144427	6.8	11.4
CHRONIC	BARNSTABLE COUNTY HOSPITAL	BOURNF-BRIGGSSET	0056	015475	0042.3	075.5%	000382	015475	0040.4	00037.5
57 CHRONIC			56	15475	42.3	75.5%	382	15475	40.4	37.5

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAMF OF FACILITY	CITY/TOWN	OPER BEDS	CFUSUS DAYS	AVERAGE DAILY PER RATE	OCCUP RATE	CHRGES	DISCHARGE DAYS	AVER STAY	OVER 65
57			606	171692	469.1	77.4%	21468	159902	7.4	12.2
61 ACUTE	BEVERLY HOSPITAL, INC. ADDISON GILBERT HOSPITAL HENJAMIN STICKNEY CARLE HOSP	BEVERLY GLoucester IPSWICH	2252 2144 2041	264113 241340 209807	0175.2 0112.9 0026.8	669.5% 078.4% 065.4%	007790 004649 001409	064465 041119 009781	0009.1 0008.8 0006.9	00014.4 00015.7 00009.6
61 ACUTE			447	115260	314.9	72.1%	13148	115365	8.8	14.2
61			437	115260	314.9	72.1%	13148	115365	8.8	14.2
62 ACUTE	HUNT MEMORIAL HOSPITAL MARY A. ALLEY HOSPITAL JOSHUA R. THOMAS HOSPITAL SALFORD HOSPITAL NO. SHORE CHILDRENS HOSPITAL	DANVERS MARRLEFMAN PFAINDY SALFORD SALFORD	3144 2041 2099 2374 2042	242746 208993 229518 114154 114622	0116.8 0024.6 0081.6 0311.9 0037.2	081.1% 059.9% 081.5% 084.2% 060.0%	005189 001016 003191 010979 003601	042634 008198 028281 118089 013749	0008.2 0008.1 0008.9 0010.8 0005.8	00015.3 00000.0 00014.5 00016.2 00000.0
62 ACUTE			720	209033	571.1	79.8%	23976	210951	8.8	15.2
CHRONIC	SHAUGHNESSY CHRONIC & RMH HOSP	SALFORD	2120	221643	0059.1	088.8%	000110	007459	0010.5	00073.5
62 CHRONIC			120	21643	59.1	68.8%	110	7449	67.8	73.5
PSYCH	DANVERS STATE HOSPITAL	MATTHEW	2804	247320	0675.7		001190			
62 PSYCH			804	247320			1190			
62			1644	477996	632.0	75.2%	25276	218410	8.6	16.0
63 ACUTE	UNION HOSPITAL (LYNN) LYNN HOSPITAL SAUGUS GENERAL HOSPITAL, INC.	LYNN LYNN SAUGUS	2210 2315 2109	261692 293568 224423	0168.6 0255.6 0066.7	082.6% 081.2% 081.2%	006584 010766 002643	059975 096356 024413	0009.1 0008.9 0009.4	00014.4 00014.7 00014.1
63 ACUTE			634	179683	490.9	78.2%	19993	181144	9.1	14.5
PSYCH	MOUNT PLEASANT HOSPITAL	LYNN	2078	227835	0076.1	097.5%	002683	027835	0010.4	00008.2
63 PSYCH			78	27835	76.1	97.5%	2683	27835	10.4	8.2
63			712	207518	567.0	79.6%	22676	208979	9.2	14.5
64 ACUTE	MELROSE-WAKEFIELD HOSPITAL NEW ENGLAND MEMORIAL HOSPITAL	MELROSE STONEHAM	2253 2303	285241 291088	0232.9 0248.9	092.1% 082.1%	010501 009018	086082 091175	0008.2 0010.1	00014.3 00014.7
64 ACUTE			556	176329	481.8	86.6%	19519	177257	9.1	14.5
64			556	176329	481.8	86.6%	19519	177257	9.1	14.5
65 ACUTE	WHIDDEN MEMORIAL HOSPITAL, INC MALDEN HOSPITAL LAWRENCE MEM. HOSP. OF MEDFORD	EVERETT MALDEN MEDFORD	2182 2201 2193	248434 286921 254402	0132.3 0237.4 0148.6	072.3% 081.6% 076.2%	005232 011070 006472	048743 091421 054021	0009.3 0008.3 0008.4	00013.9 00014.2 00013.9
65 ACUTE			666	189757	518.5	77.5%	22774	194566	8.5	14.0

NUMBER OF BEDS AND SELECTED UTILIZATION
MASSACHUSETTS HOSPITALS-1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	OPER CENSUS BEDS	AVERAGE DAILY CEN	OCUP RATE	DIS- CHARGE CHARGE	DIS- CHARGE DAYS	AVR STAY	AVR STAY OVER
65			666 189757	518.5	77.5%	22774	194566	8.5	14.0
			44387 13120212	33105.1	80.2%	950401	11699234	12.5	21.4
STATE TOTAL									

OPERATING REFS BY SERVICE
MASSACHUSETTS HOSPITALS--1976

HSA	TYPE	NAME OF FACILITY	CITY/TOWN	INT	MD/	W/S	CCU	PED	OTH	PER	WAT	PSY	REF	MIN	SNF	CC/		
				HFDS	SURG	TCU	TCU	TCU	TCU				MAR	CARF	EFF	ALC	LTC	OTH
21	ACUTE	CLINTON HOSPITAL	CLINTON	82	74	0	0	0	0	0	0	0	0	0	0	0	0	0
		RIBBANK HOSPITAL, INC.	FITCHBURG	242	145	16	0	0	0	33	22	9	0	17	0	0	0	0
		HENRY KEYWOOD MEMORIAL HOSP.	GARDNER	153	102	7	4	0	0	29	11	0	0	0	0	0	0	0
		LEOMINSTER HOSPITAL	LEOMINSTER	150	108	7	0	0	0	19	16	0	0	0	0	0	0	0
		WINCHENDON HOSPITAL	WINCHENDON	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0
21	ACUTE			885	650	42	4	0	0	114	49	9	0	17	0	0	0	0
	CHRONIC	RUTLAND HEIGHTS HOSPITAL	RUTLAND	190	0	0	0	0	0	0	0	0	0	0	36	30	124	0
21	CHRONIC			190	0	0	0	0	0	0	0	0	0	0	36	30	124	0
	PSYCH	NAUKFAG HOSPITAL	ASHBURNHAM	26	0	0	0	0	0	0	0	0	0	0	0	0	0	16
		GARDNER STATE HOSPITAL	GARDNER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PSYCH			26	0	0	0	0	0	0	0	0	0	0	0	0	0	16
21				1101	650	42	4	0	0	114	49	9	0	17	36	40	124	16
22	ACUTE	HOLDEN DISTRICT HOSPITAL, INC.	HOLDEN	82	65	5	0	0	0	0	0	0	0	0	0	0	0	0
		DOCTORS HOSP. OF WORCESTER INC	WORCESTER	148	148	0	0	0	0	0	0	0	0	0	0	0	0	0
		FAIRLAWN HOSPITAL	WORCESTER	104	99	2	3	0	0	0	0	0	0	0	0	0	0	0
		MEMORIAL HOSPITAL	WORCESTER	371	279	17	8	0	0	21	26	20	0	0	0	0	0	0
		ST. VINCENT HOSPITAL	WORCESTER	600	380	30	0	0	0	68	37	51	0	34	0	0	0	0
		UNIVERSITY OF MASS. HOSPITAL	WORCESTER	62	56	6	0	0	0	0	0	0	0	0	0	0	0	0
		WORCESTER CITY HOSPITAL	WORCESTER	388	296	16	0	0	0	55	21	0	0	0	0	0	0	0
		WORCESTER HAMMANN HOSPITAL	WORCESTER	240	165	11	0	0	0	20	44	0	0	0	0	0	0	0
22	ACUTE			1995	1488	87	11	0	0	176	128	71	0	34	0	0	0	0
	CHRONIC	WORCESTER COUNTY HOSPITAL	WORCESTER	122	0	0	0	0	0	0	0	0	0	0	0	0	122	0
		NATRE DAME CHRONIC DIS. HOSP.	WORCESTER	51	0	0	0	0	0	0	0	0	0	0	0	0	51	0
22	CHRONIC			173	0	0	0	0	0	0	0	0	0	0	0	0	173	0
	PSYCH	WORCESTER STATE HOSPITAL	WORCESTER	607	0	0	0	0	0	0	0	607	0	0	0	0	0	0
22	PSYCH			607	0	0	0	0	0	0	0	607	0	0	0	0	0	0
22				2775	1488	87	11	0	0	176	128	678	0	34	0	0	173	0
23	ACUTE	MILFORD-WHITINSVILLE REG. HOSP.	MILFORD	191	118	11	0	0	0	17	15	0	0	0	0	0	30	0
		HARRINGTON MEMORIAL HOSPITAL	SOUTHBOROUGH	121	88	8	0	0	0	13	12	0	0	0	0	0	0	0
		HUBBARD REGIONAL HOSPITAL	WEBSTER	97	67	6	0	0	0	16	0	0	0	0	0	0	0	0
23	ACUTE			409	273	25	0	0	0	46	27	0	0	0	0	0	30	0
	CHRONIC	ST. CAMILLUS HOSPITAL, INC.	NORTHBRIDGE	68	0	0	0	0	0	0	0	0	0	0	0	0	68	0
23	CHRONIC			68	0	0	0	0	0	0	0	0	0	0	0	0	68	0
23				477	273	25	0	0	0	46	27	0	0	0	0	0	98	0

OPERATING BEDS BY SERVICE
MASSACHUSETTS HOSPITALS--1976

HSA	TYPE	NAME OF FACILITY	CITY/TOWN	TOT BEDS	WFD/	W/S	CCU	PEP	OTH	ICU	ICH	ICU	ICH	PEP	MAT	PSY	RF- MHA	MTN CARE	SHF FEE	CC/ ALC	LYC	OTH
31	ACUTE	LOWELL GENERAL HOSPITAL	LOWELL	292	104	14	0	0	0	0	0	0	0	30	37	17	0	0	0	0	0	0
		ST. JOHN'S HOSPITAL	LOWELL	256	187	10	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0
		ST. JOSEPH'S HOSPITAL, INC.	LOWELL	275	218	8	0	0	0	0	0	0	0	26	23	0	0	0	0	0	0	0
31	ACUTE			423	599	32	0	0	0	0	0	0	0	115	60	17	0	0	0	0	0	0
	CHRONIC	BEACONCROFT CHRONIC HOSPITAL	LOWELL	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0
		TEWKSHURY HOSPITAL	TEWKSHURY	1405	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	962	388
31	CHRONIC			104	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	01066	388
	PSYCH	H.C. SULLIVAN MENTAL HEALTH CTR	LOWELL	40	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0
31	PSYCH			40	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0
31				967	599	32	0	0	0	0	0	0	0	170	60	57	0	0	0	0	01066	388
32	ACUTE	LAWRENCE GENERAL HOSPITAL	LAWRENCE	361	248	9	6	0	0	7	21	30	0	0	0	0	0	0	0	0	0	0
		BON SECOURS HOSPITAL, INC.	METHUEN	282	183	9	10	0	0	0	32	26	22	0	0	0	0	0	0	0	0	0
32	ACUTE			643	471	18	16	0	7	53	56	22	0	0	0	0	0	0	0	0	0	0
32				643	471	18	16	0	7	53	56	22	0	0	0	0	0	0	0	0	0	0
33	ACUTE	AMESBURY HOSPITAL	AMESBURY	63	55	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
		HAVERHILL MUNICIPAL (MALE) HOS	HAVERHILL	202	156	10	0	0	0	0	19	17	0	0	0	0	0	0	0	0	0	0
		ANNA JAGHES HOSPITAL	NEWBURYPORT	100	72	8	0	0	0	0	18	12	0	0	0	0	0	0	0	0	0	0
33	ACUTE			365	283	22	0	0	0	0	31	29	0	0	0	0	0	0	0	0	0	0
	CHRONIC	PENTUCKET MANOR CHR DIS HOSP	HAVERHILL	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	0
		NEWBURYPORT MANOR CHRONIC HOSP	NEWBURYPORT	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	0
33	CHRONIC			220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	220
	PSYCH	BALDPATE, INC.	GEORGETOWN	59	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0
33	PSYCH			59	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0
33				644	283	22	0	0	0	0	31	29	59	0	0	0	0	0	0	0	0	220
41	ACUTE	BETH ISRAEL HOSPITAL	BOSTON	412	293	14	0	0	0	0	0	45	14	0	0	0	0	0	0	0	0	44
		BOSTON CITY HOSPITAL	BOSTON	454	354	14	6	0	0	0	50	30	0	0	0	0	0	0	0	0	0	0
		BOSTON HOSPITAL FOR WOMEN	BOSTON	262	146	0	0	0	0	0	0	116	0	0	0	0	0	0	0	0	0	0
		BOSTON VA HOSPITAL	BOSTON	837	620	16	7	0	18	0	0	0	104	0	0	0	36	0	0	0	0	0
		CARNEY HOSPITAL	BOSTON	376	317	8	6	0	17	28	0	0	0	0	0	0	0	0	0	0	0	0
		CHILDREN'S HOSP MEDICAL CENTER	BOSTON	343	0	0	0	22	0	321	0	0	0	0	0	0	0	0	0	0	0	0
		FAULKNER HOSPITAL	JAMAICA PLAIN	234	204	5	6	0	4	0	0	0	15	0	0	0	0	0	0	0	0	0
		HAHNEMANN HOSPITAL	BRIGHTON	65	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		HUNTINGTON GENERAL HOSPITAL	JAMAICA PLAIN	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		J.P. KENNEDY JR. MEMORIAL HOSP	BRIGHTON	88	0	0	0	0	0	0	44	0	0	0	0	0	44	0	0	0	0	0
		LEMUEL SHATTUCK HOSPITAL	JAMAICA PLAIN	130	124	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		LONGWOOD HOSPITAL	BOSTON	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING BEDS BY SERVICE
MASSACHUSETTS HOSPITALS--1974

HSA	TYPE	NAME OF FACILITY	CITY/TOWN	TOT BEDS	W/S ICU	M/S ICU	CCU ICU	PED ICU	OTH ICU	PED	MAT	PSY	RF- MAM	MIN CARE	CC/ AIC	ITC	OTH
41	ACUTE	MASS. EYE AND EAR INFIRMARY	BOSTON	174	156	0	0	0	0	18	0	0	0	0	0	0	0
		MASSACHUSETTS GENERAL HOSPITAL	BOSTON	1084	865	40	7	19	30	46	0	21	36	0	0	0	0
		NEW ENGLAND RAPIDIST HOSPITAL	BOSTON	250	239	11	0	0	0	0	0	0	0	0	0	0	0
		NEW ENGLAND DEACONESS HOSPITAL	BOSTON	471	370	14	0	0	0	0	0	27	0	0	0	0	52
		NEW ENGLAND MEDICAL CENTER HOSP	BOSTON	452	270	23	4	13	0	97	0	10	25	0	0	0	10
		PARKER HILL MEDICAL CENTER	BOSTON	88	83	5	0	0	0	0	0	0	0	0	0	0	0
		PETER BENT BRIGHAM HOSPITAL	BOSTON	530	312	14	4	0	0	0	0	0	0	0	0	0	0
		ROBERT A. BRIGHAM HOSPITAL	BOSTON	96	96	0	0	0	0	0	0	0	0	0	0	0	0
		SHRINERS HIRSHS INSTITUTE	BOSTON	30	0	0	0	0	0	30	0	0	0	0	0	0	0
		ST. ELIZABETH'S HOSPITAL, INC.	BRIGHTON	26	0	0	0	0	0	0	0	0	0	0	0	0	26
		ST. MARGARET'S HOSP. FOR WOMEN	BURCHESTER	117	49	0	0	0	0	50	21	57	0	20	0	10	10
		U.S. PUBLIC HEALTH HOSPITAL	BRIGHTON	122	119	3	0	0	0	0	68	0	0	0	0	0	0
		UNIVERSITY HOSPITAL	BOSTON	373	245	20	8	0	0	0	0	24	16	0	40	0	0
		WEST Roxbury VA HOSPITAL	BOSTON	259	248	11	0	0	0	0	0	0	0	0	0	0	0
		BROOKLINE HOSPITAL	BROOKLINE	84	77	7	0	0	0	0	0	0	0	0	0	0	0
		LAHEY CLINIC - BRONKS HOSP DIV	BROOKLINE	60	60	0	0	0	0	0	0	0	0	0	0	0	0
		CHELSEA MEMORIAL HOSPITAL	CHELSEA	75	75	0	0	0	0	0	0	0	0	0	0	0	0
		L.F. OUTGLY MEM. HOSP AND FCF	CHELSEA	184	87	4	0	0	0	0	0	0	0	0	95	0	0
		GROVER MANOR HOSPITAL	REVERE	161	61	0	0	0	0	0	0	0	0	0	0	100	0
		WINTHROP COMMUNITY HOSPITAL	WINTHROP	65	65	0	0	0	0	0	0	0	0	0	0	0	0
41	ACUTE	HERREW REHAB CENTER FOR AGED	BOSLINDALE	7175	6001	232	67	54	69	684	280	272	157	20	135	46	100 142
		JEWISH MEMORIAL HOSPITAL	BRIGHTON	725	0	0	0	0	0	0	0	0	0	0	0	725	0
		LONG ISLAND HOSPITAL	BOSTON	207	0	0	0	0	0	0	0	0	17	0	0	190	0
		MASS. REHABILITATION HOSPITAL	BOSTON	284	19	0	0	0	0	0	0	0	243	0	0	0	22
		MATTAPAN HOSPITAL	BOSTON	199	0	0	0	0	0	0	0	0	50	0	0	135	34
		ST. JOHN OF GOD HOSPITAL	BRIGHTON	79	0	0	0	0	0	0	0	0	0	0	0	68	11
41	CHRONIC	BOSTON STATE HOSPITAL	BOSTON	1901	19	0	0	0	0	0	0	0	290	0	0	0	1416 176
		FRICH LINDFELMAN MENTL HLTH CTR	BOSTON	400	0	0	0	0	0	0	0	400	0	0	0	0	0
		GLENSTOE HOSPITAL	BOSTON	46	0	0	0	0	0	0	0	46	0	0	0	0	0
		MASS. MENTAL HEALTH CENTER	JAMAICA PLAIN	115	0	0	0	0	0	0	0	115	0	0	0	0	0
		WASHINGTON CTR FOR ADDICT.	BOSTON	102	0	0	0	0	0	0	0	102	0	0	0	0	0
		BOURNEWOOD HOSPITAL	JAMAICA PLAIN	50	0	0	0	0	0	0	0	0	0	0	0	0	50
		HUMAN RESOURCE INST. OF BOSTON	BROOKLINE	90	0	0	0	0	0	0	0	90	0	0	0	0	0
			BROOKLINE	68	0	0	0	0	0	0	0	68	0	0	0	0	0
41	PSYCH			871	0	0	0	0	0	0	0	821	0	0	0	0	50
41	ACUTE	SYMME'S HOSPITAL	ARLINGTON	9947	6020	232	67	54	69	684	280	1093	447	20	135	461516	368
		CAMBRIDGE HOSPITAL	CAMBRIDGE	179	124	4	8	0	6	21	14	0	0	0	0	0	0
		MOUNT AUBURN HOSPITAL	CAMBRIDGE	190	118	9	0	0	0	12	20	22	0	0	10	0	0
		SANCTA MARIA HOSPITAL	CAMBRIDGE	300	234	9	6	0	0	15	20	16	0	0	0	0	0
		EMERSON HOSPITAL	CONCORD	150	145	0	0	0	5	0	0	0	0	0	0	0	0
		CENTRAL HOSPITAL, INC.	SOMERVILLE	221	107	4	8	0	8	32	27	31	0	0	0	0	0
		SOMERVILLE HOSPITAL, INC.	SOMERVILLE	113	90	4	0	0	0	0	0	19	0	0	0	0	0
		WINCHESTER HOSPITAL	WINCHESTER	129	121	8	0	0	0	0	0	0	0	0	0	0	0
				191	127	10	0	0	0	25	29	0	0	0	0	0	0

OPERATING RECS BY SERVICE
MASSACHUSETTS HOSPITALS--1976

HSA	TYPE	NAME OF FACILITY	CITY/TOWN	TOT RFD	MED/ SURG	M/S ICU	CCU ICU	PED ICU	OTH ICU	PHD	WAT	PSY	MAH	CAPT	FFC	SHF	CC/ LTC	OTH
42	ACUTE	CHOATE MEMORIAL HOSPITAL	WOBURN	174	128	0	0	0	11	17	0	18	0	0	0	0	0	0
42	ACUTE			1647	1194	51	22	0	30	122	112	106	0	0	0	10	0	0
42	CHRONIC	MITT HOSPITAL	CAMBRIDGE	109	0	0	0	0	0	0	0	0	0	0	0	0	109	0
		YOUNGVILLE HOSPITAL	CAMBRIDGE	305	0	0	0	0	0	0	0	0	65	0	0	0	240	0
		NEW ENGLAND REHAB. HOSPITAL	WOBURN	198	0	0	0	0	0	0	0	0	0	0	0	108	0	0
42	CHRONIC			612	0	0	0	0	0	0	0	0	65	0	0	108	0	0
42	PSYCH	REDFORD VA HOSPITAL	REDFORD	965	348	5	0	0	0	0	0	371	0	0	0	142	40	0
		MCLEAN HOSPITAL	REDFORD	321	0	0	0	0	0	0	0	321	0	0	0	0	0	0
		VALLEYHEAD HOSPITAL	CARLISLE	72	0	0	0	0	0	0	0	72	0	0	0	0	0	0
42	PSYCH			1558	348	5	0	0	0	0	0	744	0	0	0	142	40	0
42				3617	1542	54	22	0	30	122	112	870	65	0	0	340	50	349
43	ACUTE	FRAMINGHAM JUNCTION HOSPITAL, INC.	FRAMINGHAM	294	190	11	8	0	0	24	41	20	0	0	0	0	0	0
		MARLBOROUGH HOSPITAL	MARLBOROUGH	136	102	6	0	0	0	16	12	0	0	0	0	0	0	0
		LEONARD MORSE HOSPITAL	NATICK	251	181	10	6	0	0	22	14	14	0	0	0	0	0	0
		GLOVER MEMORIAL HOSPITAL	NEEDHAM	101	90	7	0	0	0	4	0	0	0	0	0	0	0	0
		NEWTON-WELLESLEY HOSPITAL	NEWTON LN. FALLS	339	249	0	0	0	17	17	33	21	0	0	0	0	0	2
		E.K. SHRIVER CTR. MENTAL RETARD	WALTHAM	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0
		WALTHAM HOSPITAL	WALTHAM	307	224	10	6	0	0	22	22	23	0	0	0	0	0	0
				1444	1042	44	20	0	17	105	122	82	0	0	0	0	0	2
43	CHRONIC	BETHANY HOSPITAL	FRAMINGHAM	103	0	0	0	0	0	0	0	0	0	0	0	0	103	0
		CUSHING HOSPITAL	FRAMINGHAM	650	75	0	0	0	0	0	0	0	48	0	0	0	527	0
		MIDDLESEX COUNTY HOSPITAL	WALTHAM	170	0	0	0	0	0	0	0	0	0	0	0	0	103	67
43	CHRONIC			923	75	0	0	0	0	0	0	0	48	0	0	0	733	67
43	PSYCH	METROPOLITAN STATE HOSPITAL	WALTHAM	600	0	0	0	0	0	0	0	600	0	0	0	0	0	0
		CHARLES RIVER HOSPITAL	WELLESLEY	58	0	0	0	0	0	0	0	58	0	0	0	0	0	0
		WESTBOROUGH STATE HOSPITAL	WESTBOROUGH	536	0	0	0	0	0	0	0	536	0	0	0	0	0	0
43	PSYCH			1194	0	0	0	0	0	0	0	1194	0	0	0	0	0	0
43				3561	1127	44	20	0	17	105	122	1276	48	0	0	0	733	69
44	ACUTE	NORWOOD HOSPITAL	NORWOOD	277	188	10	0	0	0	33	36	0	0	0	0	0	10	0
		PONDVILLE HOSPITAL	WALPOLE	104	104	0	0	0	0	0	0	0	0	0	0	0	0	0
		RAYMOND HOSP - WRENTHAM STATE	WRENTHAM	65	55	0	0	0	0	10	0	0	0	0	0	0	0	0
				446	347	10	0	0	0	43	36	0	0	0	0	0	10	0
44	CHRONIC	MASSACHUSETTS HOSPITAL SCHOOL	CANTON	170	0	0	0	0	0	0	0	0	170	0	0	0	0	0
44	CHRONIC			170	0	0	0	0	0	0	0	0	170	0	0	0	0	0
44	PSYCH	FOXBOROUGH STATE HOSPITAL	FOXBOROUGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING BEDS BY SERVICE
MASSACHUSETTS HOSPITALS--1974

HSA	TYPE	NAME OF FACILITY	CITY/TOWN	TOT BEDS	WFD/ SURG	M/S ICU	CCU ICU	PED ICU	PED OTH	WAT	PSY	RE- HAR	MIN CARE	SUP FCF	CC/ ALC	LTC	OTH
53	CHRONIC			6A	0	0	0	0	0	0	0	0	0	0	0	6A	0
53				199	95	6	6	7	0	12	12	0	0	0	0	68	0
54	ACUTE	ST. LUKE'S HOSPITAL-MIDDLEBORN MORTON HOSPITAL	MIDDLEBORN TAUNTON	66 196	57 149	5 8	0 0	4 0	0 0	0 19	0 20	0 0	0 0	0 0	0 0	0 0	0
54	ACUTE			262	206	13	0	4	0	19	20	0	0	0	0	0	0
	CHRONIC	LAKEVILLE HOSPITAL	LAKEVILLE	150	0	0	0	0	0	70	0	0	80	0	0	0	0
54	CHRONIC			150	0	0	0	0	0	70	0	0	80	0	0	0	0
	PSYCH	TAUNTON STATE HOSPITAL	TAUNTON	676	0	0	0	0	0	0	676	0	0	0	0	0	0
54	PSYCH			676	0	0	0	0	0	0	676	0	0	0	0	0	0
54				1088	206	13	0	4	0	89	20	676	80	0	0	0	0
55	ACUTE	ST. ANNE'S HOSPITAL, INC. UNION-TRUESDALE HOSPITAL, INC.	FALL RIVER FALL RIVER	220 489	137 405	12 19	0 6	0 0	0 0	45 15	26 44	0 0	0 0	0 0	0 0	0	0
55	ACUTE			709	542	31	6	0	0	60	70	0	0	0	0	0	0
	PSYCH	J.C. CORRIGAN MENTAL WITH CTQ	FALL RIVER	20	0	0	0	0	0	0	0	20	0	0	0	0	0
55	PSYCH			20	0	0	0	0	0	0	0	20	0	0	0	0	0
55				729	542	31	6	0	0	60	70	20	0	0	0	0	0
56	ACUTE	ST. LUKE'S HOSPITAL (NR) UNION HOSP. OF NEW BEDFORD	NEW BEDFORD NEW BEDFORD	446 125	362 87	12 5	0 0	0 0	0 0	42 9	30 0	0 24	0 0	0 0	0	0	0
56	ACUTE			571	449	17	0	0	0	51	30	24	0	0	0	0	0
	CHRONIC	FRANCES P. MEMORIAL HOSPITAL	NEW BEDFORD	61	0	0	0	0	0	0	0	0	0	0	0	61	0
56	CHRONIC			61	0	0	0	0	0	0	0	0	0	0	0	61	0
56				632	449	17	0	0	0	51	30	24	0	0	0	61	0
57	ACUTE	CAPE COD HOSPITAL, INC. FALMOUTH HOSPITAL NANTUCKET COTTAGE HOSPITAL MARTHA'S VINEYARD HOSPITAL TOBEY HOSPITAL, INC.	BARNSTABLE FALMOUTH NANTUCKET NAK BLIFFS WAREHAM	243 88 50 80 89	183 64 41 29 71	13 7 2 4 4	9 0 0 0 0	0 0 0 0 0	0 0 3 2 6	18 11 4 4 8	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 41 0	0	0	0
57	ACUTE			550	388	30	9	0	0	35	47	0	0	0	41	0	0
	CHRONIC	BARNSTABLE COUNTY HOSPITAL	BARNSTABLE	56	56	0	0	0	0	0	0	0	0	0	0	0	0
57	CHRONIC			56	56	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING REVENUE BY SERVICE
MASSACHUSETTS HOSPITALS--1976

HSA	TYPE	NAME OF FACILITY	CITY/TOWN	TOT HFDs	MED/ SURG	W/S ICU	CCU ICU	PED ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	CCU ICU	
-----	------	------------------	-----------	-------------	--------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	--

OPERATING BEDS BY SERVICE
MASSACHUSETTS HOSPITALS--1976

HSA TYPE	NAME OF FACILITY	CITY/TOWN	TOT	MED/	W/S	CCU	PED	OTH	PED	MAT	PSY	HAR	CARE	FFP	AIC	LTC	OTH	CC/
65			666	533	23	11	0	0	66	33	0	0	0	0	0	0	0	0
TOTAL			40862	21365	1004	278	67	143	2545	1543	8290	1143	176	926	343	5534	1030	

OUTPATIENT FACILITIES

(Clinics)

AMBULATORY CARE FACILITIES

Ambulatory care is the focal point for the provision and use of medical care services—it offers the entry and exit points to the medical care system as well as providing health maintenance services. An ambulatory care setting may be defined as a setting providing health and mental health care services to patients who travel to the service provider and do not stay the night. In addition to the more traditional settings such as private practitioners' offices and hospital outpatient departments, included in these settings would be mobile vans and prepaid group practices.

The definition of ambulatory care for the purposes of this data collection activity is found in the glossary. However, it should be noted that the following types of services are specifically excluded: private group and individual practitioners who are not licensed as clinics; school health programs and infirmaries; industrial clinics; boards of health clinics; visiting nurse associations and home health agency clinics; outpatient services provided by residential care clinics; and court clinics.

The almost 100% increase in utilization should not be viewed as an absolute increase. The following four factors affect this year's reporting: (1) increases in number of facilities; (2) decrease in nonrespondents; (3) better reporting by facilities; and (4) inclusion of laboratory and radiology visits in total utilization.

Ambulatory care reporting poses many problems for both the data provider and data user. As supposedly simple a determination as the number of facilities operating in the state can pose complex problems because of the number of facilities with satellite operations and the variability of these sites. Is a mobile van a facility or is it a portion of a facility? Even when facility boundaries are determined for reporting purposes, an administering facility is often unable to break out data for its satellite facilities whose service areas cross HSA boundaries.

The largest problem posed by aggregate facility-based ambulatory care reporting is the determination of service breakouts for utilization. Current reporting mechanisms require separate reporting for all "organized services." An "organized service" is a service or clinic with a distinct organization structure within the facility. It in most cases will have separate physical space, staffing, and statistical capabilities. Thus, if Facility A provides obstetrical/gynecological services as a separately organized service, these statistics will appear under obstetrics/gynecology. However, if Facility B provides obstetrical/gynecological services within their general medical clinic, those statistics will appear under general medical services. Changes to the reporting system for 1977 have been made to obtain more accurate reporting of services regardless of whether they are "organized" or not.

A look at the distribution of a few selected organized services by Health Service Area points out the uneven spread of services in the state. The higher concentration in HSA IV reflects not only the higher population in Metropolitan Boston but also the tendency of larger facilities to have more organized specialty services and for smaller clinics to offer a general health approach. With HSA's V and VI being geographically the closest to Boston, it seems logical to find even fewer organized services in these two HSA's than in HSA's I, II and III. Again, this is not to say that facilities in areas outside of Boston do not offer these services, but they do not offer them as a separate component.

The table illustrating outpatient surgery in Massachusetts again reflects the fact that specialization is often in direct proportion to size, with a high proportion of beds and facilities with an organized surgery unit located in HSA IV. In this case, however, surgery is slightly more decentralized, which may reflect an attitude that surgical services, which often are needed immediately, must be located in all sections of the state. Complementary to the concentration of services, utilization of ambulatory services shows HSA IV to be well above the average of other HSA's. This is almost certainly due in part to the widespread practice of patients travelling to Metropolitan Boston to obtain health care.

TABLE 46

**NUMBER OF OUTPATIENT FACILITIES AND VISITS TO OUTPATIENT FACILITIES
MASSACHUSETTS HEALTH SERVICE AREAS – 1976**

TYPE OF FACILITY		HEALTH SERVICE AREAS						STATE
		I	II	III	IV	V	VI	
HOSPITAL OUTPATIENT DEPARTMENT	Fac.	9	10	7	44	12	7	89
	Visits	862,999	991,661	241,495	4,561,655	551,250	629,561	7,838,621
OTHER HOSP. BASED OUT- PATIENT FACILITY	Fac.	12	11	2	34	10	11	80
	Visits	457,782	303,421	269,871	1,167,816	510,735	669,693	3,379,318
TOTAL HOSPITAL	Fac.	21	21	9	78	22	18	169
	Visits	1,320,781	1,295,082	511,366	5,729,471	1,061,985	1,299,254	11,217,939
GENERAL OR SPECIALTY MEDICAL CLINIC	Fac.	21	13	8	102	12	3	159
	Visits	372,525	156,439	164,341	2,681,626	133,194	39,379	3,547,504
MENTAL HEALTH CLINIC	Fac.	33	22	8	89	46	30	228
	Visits	137,432	109,682	31,675	658,998	225,441	132,795	1,296,023
TOTAL CLINIC	Fac.	54	35	16	191	58	33	387
	Visits	509,957	266,121	196,016	3,340,624	358,635	172,174	4,843,527
TOTAL ALL OUTPATIENT FACILITIES	Fac.	75	56	25	269	80	51	556
	Visits	1,830,738	1,561,203	707,382	9,070,095	1,420,620	1,471,428	16,061,466
HOSPITAL EMERGENCY ROOM	Fac.	16	17	8	43	16	14	114
	Visits	397,286	375,952	237,210	1,165,051	451,701	336,856	2,964,056

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care Facilities, 1976

TABLE 47

1976 VISITS TO EMERGENCY DEPARTMENTS & SERVICES

H. S. A.	# OF HOSPITALS PROVIDING EMER- GENCY SERVICES	VISITS TO ¹ HOSPITAL EMER- GENCY SERVICES	# OF EMERGENCY VISITS ²	% OF TOTAL	ESTIMATED		ESTIMATED		TOTAL VISITS TO EMERGENCY SVCS OF FREE-STANDING CLINICS
					# OF URGENT VISITS ³	% OF TOTAL	# OF NON- URGENT VISITS	% OF TOTAL	
I 1	4	74,371	9,016	12.12	28,336	38.10	37,019	49.78	0
2	6	51,549	7,712	14.96	25,426	49.32	18,411	35.72	1,187
3	10	271,366	32,524	11.99	101,532	37.41	137,310	50.60	7
TOTAL	20	397,286	49,252	12.40	155,294	39.09	192,740	48.51	1,194
II 1	7	119,728	17,825	14.89	40,148	33.53	61,755	51.58	0
2	11	180,275	20,548	11.40	52,845	29.31	106,882	59.29	31
3	4	75,949	9,139	12.03	20,277	26.70	46,533	61.27	30
TOTAL	22	375,952	47,512	12.64	113,270	30.13	215,170	57.23	61
III 1	4	88,651	9,765	11.01	36,547	41.23	42,339	47.76	3
2	2	84,078	9,864	11.73	43,550	51.80	30,664	36.47	0
3	4	64,481	5,509	8.54	21,607	33.51	37,365	57.95	12
TOTAL	10	237,210	25,138	10.60	101,704	42.87	110,368	46.53	15
IV 1	51	572,077	74,259	12.98	232,790	40.69	265,028	46.33	21,380
2	11	215,000	21,470	9.99	56,196	26.14	137,334	63.87	325
3	6	198,972	24,928	12.53	75,112	37.75	98,932	49.72	0
4	2	70,080	7,171	10.23	41,863	59.74	21,046	30.03	0
5	3	108,922	21,077	19.35	37,223	34.17	50,622	46.48	0
TOTAL	73	1,165,051	148,905	12.78	443,184	38.04	572,962	49.18	21,705
V 1	1	37,006	6,809	18.40	24,978	67.50	5,219	14.10	0
2	4	119,252	11,495	9.64	49,129	41.20	58,628	49.16	10 ⁵
3	1	31,370	2,477	7.90	17,329	55.24	11,564	36.86	0
4	3	44,247	5,580	12.61	10,750	24.30	27,917	63.09	0
5	2	63,916	11,787	18.44	32,154	50.31	19,975	31.25	0
6	2	48,730	7,359	15.10	19,899	40.84	21,472	44.06	0
7	7	107,180	9,267	8.65	37,555	35.04	60,358	56.31	650
TOTAL	20	451,701	54,774	12.13	191,794	42.46	205,133	45.41	660
VI 1	3	47,984	4,244	8.84	17,840	37.18	25,900	53.98	0
2	3	70,980	9,685	13.64	42,570	59.98	18,725	26.38	0
3	3	80,701	7,732	9.58	30,840	38.22	42,129	52.20	0
4	2	58,124	5,931	10.21	27,384	47.11	24,809	42.68	0
5	3	79,067	8,519	10.77	27,900	35.29	42,648	53.94	0
TOTAL	14	336,856	36,111	10.72	146,534	43.50	154,211	45.78	0
STATE TOTAL	159	2,964,056	361,692	12.20	1,151,780	38.86	1,450,584	48.94	23,635

¹Includes both Acute and Psychiatric Hospitals.

²"Emergency" visits are those which result in admission to the inpatient service, transfer to another hospital, treatment and retention for observation, or the death of the patient while in the emergency department.

³"Urgent" visits are those which require medical attention within a few hours and would involve danger to the patient if not treated.

⁴"Non-Urgent" visits do not require the resources of an emergency service because the disorder is non-acute.

⁵These ten visits are the only ones recorded for the emergency services of a free-standing mental health clinic.

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care Facilities, 1976

TABLE 48

**UTILIZATION BY SERVICE OF FREESTANDING CLINICS IN MASSACHUSETTS
VISITS PER 1,000 POPULATION — MASS. HEALTH SERVICE AREAS, 1976**

TYPE OF ORGANIZED SERVICE		HEALTH SERVICE AREAS						STATE
		I	II	III	IV	V	VI	
	# FAC.	54	35	16	191	58	33	
GENERAL MEDICAL/ SURGICAL	Visits	87,062	43,399	21,035	566,926	24,285	1,314	744,021
	Visits per 1,000	105.85	64.13	43.94	254.72	25.17	2.03	127.92
OTHER MEDICAL/ SURGICAL	Visits	8,145	12,591	854	370,343	8,831	14	400,778
	Visits per 1,000	9.90	18.60	1.78	166.39	9.15	0.02	68.91
OBSTETRICS/ GYNECOLOGY	Visits	65,908	287	0	138,725	3,538	0	208,458
	Visits per 1,000	366.99	2.03	0.00	267.53	17.40	0.00	162.30
PEDIATRICS	Visits	15,657	4,566	5,721	228,922	3,687	0	258,553
	Visits per 1,000	80.88	27.60	45.76	441.01	15.32	0.00	185.39
DENTAL	Visits	5,869	1,246	819	279,885	6,727	0	294,546
	Visits per 1,000	7.14	1.84	1.71	125.75	6.97	0.00	50.64
MENTAL HEALTH OR COUNSELING	Visits	102,184	100,844	25,271	563,481	155,888	81,519	1,029,187
	Visits per 1,000	162.40	197.22	71.46	330.17	215.22	164.23	232.77
REHABILI- TATION	Visits	31,921	28,983	3,425	126,814	16,381	2,763	210,287
	Visits per 1,000	38.81	42.83	7.16	56.98	16.98	4.27	36.16
SCREENING, TESTING, IMMUNIZATION	Visits	2,602	2,163	466	35,728	2,075	0	43,034
	Visits per 1,000	3.16	3.20	0.97	16.05	2.15	0.00	7.40

**UTILIZATION BY SERVICE OF FREESTANDING CLINICS IN MASSACHUSETTS
VISITS PER 1,000 POPULATION – MASS. HEALTH SERVICE AREAS, 1976**

TYPE OF ORGANIZED SERVICE		HEALTH SERVICE AREAS						STATE
		I	II	III	IV	V	VI	
	# FAC.	54	35	16	191	58	33	
SOCIAL SERVICES	Visits	7,712	38,773	3,591	70,301	5,008	2,340	127,725
	Visits per 1,000	9.38	57.29	7.50	31.59	5.19	3.61	21.96
FAMILY PLANNING	Visits	6,183	1,242	1,396	23,864	0	1,913	34,598
	Visits per 1,000	31.94	8.79	13.41	46.02	0.00	13.90	26.93
ALCOHOL/ DRUG ABUSE TREATMENT	Visits	45,080	14,158	124	129,375	64,733	48,783	302,253
	Visits per 1,000	71.65	27.69	0.35	75.81	89.37	98.28	68.35
LAB/ RADIOLOGY	Visits	4,737	7,441	746	502,451	11,725	0	527,100
	Visits per 1,000	5.76	10.99	1.56	225.75	12.15	0.00	90.63
OTHER ¹	Visits	48,447	2,339	0	205,469	54,960	3,936	315,151
	Visits per 1,000	58.90	3.46	0.00	92.32	56.96	6.08	54.18
UNDIFFERENTIATED VISITS ²	Visits	78,450	8,089	132,568	98,340	797	29,592	347,836
	Visits per 1,000	95.38	11.95	276.95	44.18	0.83	45.70	59.80
TOTAL ALL SERVICES	Visits	509,957	266,121	196,016	3,340,624	358,635	172,174	4,843,517
	Visits per 1,000	620.02	393.22	409.50	1,500.93	371.66	265.87	832.77

¹ Includes optometry, podiatry, and those services which did not fit into any of the above categories.

² Includes visits where exact service was unknown.

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care, 1976

TABLE 49

**UTILIZATION BY SERVICE OF HOSPITAL OUTPATIENT DEPARTMENTS
WITH VISITS PER 1,000 POPULATION – MASS. HEALTH SERVICE AREAS, 1976**

TYPE OF ORGANIZED SERVICE	# FAC.	HEALTH SERVICE AREAS						STATE
		I	II	III	IV	V	VI	
		21	21	9	78	22	18	
GENERAL MEDICAL/ SURGICAL	Visits	24,157	24,605	6,517	290,505	18,374	23,101	387,259
	Visits per 1,000	29.37	36.36	13.61	130.52	19.04	35.67	66.58
OTHER MEDICAL/ SURGICAL	Visits	24,590	121,882	28,258	613,148	25,584	19,069	832,531
	Visits per 1,000	29.90	180.09	59.03	275.48	26.51	29.45	143.14
OBSTETRICS/ GYNECOLOGY	Visits	11,237	15,008	11,307	65,062	4,570	1,750	108,934
	Visits per 1,000	62.57	106.21	108.65	125.47	22.48	12.72	84.81
PEDIATRICS	Visits	9,859	19,071	10,308	65,712	669	896	106,515
	Visits per 1,000	51.01	115.28	82.46	126.59	2.79	5.80	76.31
DENTAL	Visits	5,305	161,758	6	92,034	5,132	0	264,235
	Visits per 1,000	6.45	239.02	0.01	41.35	5.32	0.00	45.43
MENTAL HEALTH OR COUNSELING	Visits	61,737	17,577	19,397	423,900	119,627	11,598	653,836
	Visits per 1,000	98.12	34.37	54.85	248.38	165.15	23.37	147.88
REHABILITATION	Visits	15,366	47,532	33,175	256,718	35,363	53,927	442,081
	Visits per 1,000	18.68	70.23	69.31	115.34	36.65	83.27	76.01
SCREENING, TESTING, IMMUNIZATION	Visits	0	3,224	53	45,736	0	958	49,971
	Visits per 1,000	0.00	4.76	0.11	20.55	0.00	1.48	8.59

**UTILIZATION BY SERVICE OF HOSPITAL OUTPATIENT DEPARTMENTS
WITH VISITS PER 1,000 POPULATION – MASS. HEALTH SERVICE AREAS, 1976**

TYPE OF ORGANIZED SERVICE	# FAC.	HEALTH SERVICE AREAS						STATE
		I	II	III	IV	V	VI	
		21	21	9	78	22	18	
SOCIAL SERVICES	Visits	0	6,165	1,175	64,134	10,363	1,004	82,841
	Visits per 1,000	0.00	9.11	2.45	28.82	10.74	1.55	14.24
FAMILY PLANNING	Visits	2,314	4,511	5,319	9,980	7,089	5,389	34,602
	Visits per 1,000	12.88	31.93	51.11	19.25	34.87	39.17	26.94
ALCOHOL/ DRUG ABUSE TREATMENT	Visits	29,521	10, 197	2,596	126,889	9,737	400	179,340
	Visits per 1,000	46.92	19.94	7.34	74.35	13.44	0.81	40.56
LAB/ RADIOLOGY	Visits	1,015,745	745,362	294,780	2,973,333	757,298	1,070,879	6,857,397
	Visits per 1,000	1,234.98	1,101.36	615.83	1,335.90	784.80	1,653.62	1,179.02
OTHER ¹	Visits	12,001	57,104	3,180	222,290	5,404	12,053	312,032
	Visits per 1,000	14.59	84.38	6.64	99.87	5.60	18.61	53.65
UNDIFFER-ENTIATED VISITS ²	Visits	108,949	61,086	95,295	480,030	62,775	98,230	906,365
	Visits per 1,000	132.46	90.26	199.08	215.68	65.05	151.68	155.84
TOTAL ALL SERVICES	Visits	1,320,781	1,295,082	511,366	5,729,471	1,061,985	1,299,254	11,217,939
	Visits per 1,000	1,605.85	1,913.63	1,068.30	2,574.22	1,100.56	2,006.27	1,928.75

¹ Includes optometry, podiatry, and those services which did not fit into any of the above categories.

² Includes visits where exact service was unknown.

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care, 1976

TABLE 50

TYPES OF HOSPITALS WITH AMBULATORY SETTINGS BY HSA-1976

TYPE OF FACILITY	HEALTH SERVICE AREAS						
	I	II	III	IV	V	VI	STATE
ACUTE HOSPITALS WITH ORGANIZED OPD ¹	7	9	6	30	7	6	65
TOTAL OF ALL ACUTE HOSPITALS	17	18	8	55	16	16	130
CHRONIC HOSPITALS WITH ORGANIZED OPD ¹	1	0	0	6	3	1	11
TOTAL OF ALL CHRONIC HOSPITALS	2	2	0	10	4	1	19
PSYCHIATRIC HOSPITALS WITH ORGANIZED OPD ¹	1	1	1	8	2	0	13
TOTAL OF ALL PSYCHIATRIC HOSPITALS	2	1	1	13	2	1	20
TOTAL OF ALL HOSPITALS WITH ORGANIZED OPD ¹	9	10	7	44	12	7	89
TOTAL OF ALL HOSPITALS	21	21	9	78	22	18	169
PERCENT OF ALL HOSPITALS HAVING ORGANIZED OPD ¹	42.9	47.6	77.8	56.4	54.5	38.9	52.7

¹OPD stands for Out Patient Department.

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care Facilities, 1976.

**DISTRIBUTION OF HEALTH MANPOWER PERSONNEL¹ IN
FREE STANDING CLINICS BY HEALTH SERVICE AREAS – 1976**

NUMBER OF CLINICS		54	35	16	191	58	33	387
PERSONNEL CATEGORY		HEALTH SERVICE AREAS						STATE
		I	II	III	IV	V	VI	
SOCIAL WORKER	No.	91.7	93.8	36.3	644.5	95.9	107.3	1069.5
	%	11.6	17.1	12.7	11.0	17.5	27.1	12.7
PHYSICIANS	No.	70.2	39.1	41.2	660.4	29.5	21.3	861.7
	%	8.9	7.2	14.4	11.3	5.4	5.4	10.3
NURSES ²	No.	80.8	58.4	33.6	594.0	63.9	29.5	860.2
	%	10.2	10.7	11.8	10.2	11.6	7.4	10.2
PSYCHOLOGISTS AND COUNSELORS	No.	98.7	85.5	18.7	416.7	112.3	109.2	841.1
	%	12.5	15.6	6.5	7.1	20.5	27.6	10.0
TECHNICIANS ³	No.	19.4	3.8	23.2	230.7	8.6	0.0	285.7
	%	2.4	0.7	8.1	4.0	1.5	0.0	3.4
NURSING AIDES	No.	26.0	14.4	2.0	194.0	17.7	10.0	264.1
	%	3.3	2.6	0.7	3.3	3.2	2.5	3.1
DENTISTS	No.	3.2	1.1	0.0	220.5	3.0	0.0	227.8
	%	0.4	0.2	0.0	3.8	0.5	0.0	2.7
THERAPISTS ⁴	No.	30.7	37.6	7.9	85.8	19.0	9.0	190.0
	%	3.9	6.9	2.8	1.5	3.5	2.3	2.3
DENTAL HYGIENISTS	No.	3.4	0.0	0.4	122.1	2.0	0.0	127.9
	%	0.4	0.0	0.1	2.1	0.4	0.0	1.5
OTHER HEALTH RELATED ⁵	No.	64.5	52.0	18.8	887.3	43.3	22.7	1088.6
	%	8.2	9.5	6.6	15.2	7.9	5.7	13.0
NON-HEALTH RELATED ⁶	No.	302.7	161.7	103.6	1777.0	153.8	87.4	2586.2
	%	38.2	29.5	36.3	30.5	28.0	22.0	30.8
TOTAL	No.	791.3	547.4	285.7	5833.0	549.0	396.4	8402.8
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0

¹Health manpower personnel are represented as full-time equivalents (FTE's). The number of FTE's is obtained by adding the number of full-time employees to the number obtained by dividing 40 into the total hours per week worked by part-time employees.

²Category includes nurse practitioners, other R.N.'s, and L.P.N.'s.

³Category includes lab, radiology and pharmacy personnel.

⁴Category includes occupational, physical and speech therapists and aides.

⁵Category includes podiatrists, optometrists and other not previously mentioned personnel who work in occupations requiring special education and/or training to allow them to function in a health setting.

⁶Category includes administrators, maintenance, secretaries, file clerks, etc.

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care Facilities, 1976

TABLE 52

TABLE 53

**NUMBER OF AMBULATORY FACILITIES OFFERING SELECTED ORGANIZED SERVICES
BY HSA – 1976**

TOTAL NUMBER OF AMBULATORY FACILITIES	75	56	25	269	80	51	556
TYPE OF SERVICE	HEALTH SERVICE AREAS						STATE
	I	II	III	IV	V	VI	
ALLERGY	2	5	3	28	3	0	41
CARDIAC	7	8	3	35	5	4	62
DIABETES	5	5	2	26	5	1	44
EAR/NOSE/ THROAT	6	7	3	36	3	1	56
METABOLIC/ ENDOCRINE	2	3	0	18	1	0	24
METHADONE MAINTENANCE	0	2	0	9	0	1	12
PLASTIC SURGERY	4	3	0	15	0	0	22
REHABILITATION (MEDICAL)	7	6	0	13	3	0	29
RENAL	1	3	1	23	1	1	30
UROLOGY	7	4	2	28	4	2	47
VENEREAL DISEASE	4	4	4	25	9	2	48

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care Facilities, 1976

**OUTPATIENT SURGERY IN MASSACHUSETTS
BY H.S.A. – 1976**

	HEALTH SERVICE AREAS						
	I	II	III	IV	V	VI	STATE
FACILITIES WITH ORGANIZED OUTPATIENT SURGERY	9	4	4	21	8	5	51
NUMBER OF BEDS	150	207	21	197	233	23	831
NUMBER OF VISITS	14,793	8,769	5,471	87,681	7,183	3,802	127,699
OTHER FACILITIES PERFORMING SURGERY/NO ORGANIZED UNIT ¹	22	17	8	71	16	13	147

¹ Surgery is provided at these facilities, but not as a separately organized clinic or program.

SOURCE: Massachusetts Department of Public Health
Annual Report of Ambulatory Care Facilities, 1976

TABLE 54

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

WSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILTY
11	ACUTE HOSP	FAIRVIEW HOSPITAL	251	0	0	0	0	3613A	36349	101AR	46577
		NORTH ADAMS REGIONAL HOSPITAL	342	0	0	0	0	172	514	16773	172AR
		BERKSHIRE MEDICAL CENTER	4752	1617	130	3050	519	94	10144	189AR	49153
		HILLCREST HOSPITAL	1654	0	0	0	0	4936	10590	8421	19011
11	ACUTE HOSP		6999	1617	130	3050	519	45342	57657	74371	132028
	FREE MED	SUBURBAN MEDICAL ASSOCIATES	0	0	0	0	0	0	0	0	0
		BERKSHIRE REHAB CENTER	867	0	0	0	0	1239A	13265	0	13265
		WILLIAMSTOWN MEDICAL ASSN	0	0	0	0	0	0	75000	0	0
11	FREE MED		867	0	0	0	0	1239A	88265	0	13265
	FREE M H	MAIN STREET HUMAN RESOURCES	0	0	0	0	4072	0	4072	0	4072
		MAIN STREET HUMAN RESOURCES-LIFE	0	0	0	0	320	0	320	0	320
		COMMUNITY CARE PROGRAM	0	0	0	0	370	2545	2915	0	2915
		NORTH BERKSHIRE COUNSELING CTR	0	0	0	0	4245	0	4245	0	4245
		BERKSHIRE CNCL ALCOHOL OUTPAT	0	0	0	0	1584	0	1584	0	1584
		BERKSHIRE CTR FOR FAMILIARIN	0	0	0	0	0	0	0	0	0
		BERKSHIRE MENTAL HEALTH CENTER	0	0	0	0	13941	0	13961	0	13961
11	FREE M H		0	0	0	0	24552	2545	27097	0	27097
11			7864	1617	130	3050	25071	60285	173019	74371	172390
12	ACUTE HOSP	ATHOL MEMORIAL HOSPITAL	693	0	0	0	0	17847	18540	9532	28072
		FRANKLIN COUNTY PUBLIC HOSP.	11222	669	0	0	6797	8159A	100286	16625	116911
		FARREN MEMORIAL HOSPITAL	1541	0	0	0	0	10775	12316	6280	18596
		CONLEY DICKINSON HOSPITAL	1200	0	0	0	0	164682	165882	19112	184994
12	ACUTE HOSP		14656	669	0	0	6797	274902	297024	51549	348573
	PSYCH HOSP	NORTHAMPTON STATE HOSPITAL	0	0	0	0	0	0	0	0	0
		NORTHAMPTON VA HOSPITAL	0	0	0	1226	61689	0	62915	0	62915
12	PSYCH HOSP		0	0	0	1226	61689	0	62915	0	62915
	FREE MED	AMHERST MEDICAL ASSOCIATES	56331	3182	4112	0	0	3312	46937	979	47916
		COMMUNICATION DISORDERS CL	0	0	0	0	0	2697	2697	0	2697
		NORTH QUABBIN HEALTH PLAN	4864	657	3203	0	0	830	9554	0	9554
		MOHAWK VALLEY MEDICAL CENTER	6436	0	0	0	24	540	7000	208	7208
		WORTHINGTON HEALTH ASSOCIATES	7000	0	0	3600	0	0	10600	0	10600
12	FREE MED		54631	3839	7315	3600	24	7379	76788	1187	77975
	FREE M H	PSYCHOLOGICAL SERVICES CENTER	0	0	0	0	3829	0	3829	0	3829
		CATHOLIC SOCIAL SERVICE	0	0	0	0	488	0	488	0	488
		GARDNER WMC-ATHOL CLINIC	0	0	0	0	3910	245	4155	0	4155
		HIGHLAND COUNSELING ASSOCIATES	0	0	0	0	47	0	47	0	47
		BFACON CLINIC	0	0	0	0	2797	0	2797	0	2797
		FRANKLIN COUNTY MENTAL HLTH CTR	0	0	0	0	255	0	255	0	255
		CHILDRENS AID FAM SVC HAMP CNTY	0	0	0	0	0	0	3450	0	3450
		HAMPSHIRE DAY HOUSE INC	0	0	0	0	1012	3556	4568	0	4568

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ
12	FREE W H		0	0	0	0	12338	3801	19589	0	16139
12			69287	4508	7315	4826	80888	286082	456316	52736	505602
13	ACUTE HOSP	HOLYOKE HOSPITAL	5113	2749	0	0	836	42979	51677	40411	92088
		PROVIDENCE HOSPITAL	5188	3571	0	0	27797	50482	87036	14953	101991
		LUDLOW HOSPITAL SOCIETY	0	0	0	0	0	48800	48800	12837	61637
		WING MEMORIAL HOSPITAL	0	0	0	0	0	0	0	12529	12529
		RAYSTATE MEDICAL CENTER	18089	8233	8808	0	1253	543855	580238	118009	698247
		MERCY HOSPITAL	3264	0	921	0	0	49058	53243	31803	85046
		SHRINER'S HOSPITAL	4279	0	0	0	0	392	4671	0	4671
		MARY LANE HOSPITAL	140	0	0	0	0	8157	8297	14919	23216
		MARIE HOSPITAL	0	350	0	0	0	32711	33061	25905	58966
13	ACUTE HOSP		36073	14903	9729	0	29888	776434	867025	271366	1138391
	CHRONIC HOSP	SOLDIERS HOME-HOLYOKE	13175	130	0	1029	0	1596	15930	0	15930
		WESTERN MASS. HOSPITAL	7309	0	0	0	0	12921	20230	0	20230
13	CHRONIC HOSP		20484	130	0	1029	0	14517	36160	0	36160
	FREE MEN	MEDICAL AID STATION-AIR FORCE	2530	0	0	0	0	0	2530	4	2534
		MEDICAL WEST AMBULATORY HLTH	0	0	0	0	0	0	0	0	0
		HOLYOKE HEALTH CENTER	2952	0	1739	1305	0	4115	10111	0	10111
		PROVIDENCE HOSP-METHUEN CL.	0	0	0	0	13000	0	13000	0	13000
		WILLIE ROSS SCHOOL FOR DEAF	0	0	0	0	0	11280	11280	3	11283
		HAMPDEN COUNTY MEDICAL GROUP	12000	7000	0	0	0	0	19000	0	19000
		RIGHTWOOD RIVERVIEW HLTH CNTR	3119	820	3483	964	0	4729	12838	0	13115
		HAMPDEN COUNTY MEDICAL GROUP	11900	57904	0	0	0	0	69806	0	69806
		LIONS OPTOMETRIC CLINIC W MASS	0	0	0	0	0	1752	1752	0	1752
		NEIGHBORHOOD HLTH CTR--SPRINGFLD	1153	2803	2149	0	0	0	6105	0	6105
		PROVIDENCE HOSP METH CL-MERCY	0	0	0	0	11700	0	11700	0	11700
		SPRINGFIELD GOODWILL INDUST	0	0	0	0	0	20500	20500	0	20500
		VETERANS ADMIN OUTPT CL SPRNGD	6055	0	0	0	8640	14155	28850	0	28850
13	FREE MEN		39709	68529	7371	2269	33340	56531	207472	7	207756
	FREE W H		0	0	0	0	10348	2570	12918	0	12918
		SPAN CENTER	0	0	0	0	712	0	712	0	712
		CHICOPPEE ALCOHOLISM CLINIC	0	0	0	0	4000	0	4000	0	4000
		AIC INTERVENTION & DETOX INC	0	0	0	0	0	306	1277	0	1277
		CHILD WELFARE DEPARTMENT	0	0	971	0	0	0	1277	0	1277
		CROSSROADS	0	0	0	0	6528	0	6528	0	6528
		HOL-CHIC AREA MNTL HLTH CTR	0	0	0	0	8787	26	8813	0	8813
		HOLYOKE FAMILY SERVICE SOCIETY	0	0	0	0	0	0	0	0	0
		AIC OUTPATIENT CENTER	0	0	0	0	7899	0	7899	0	7899
		CHILD GUIDANCE CLINIC OF SPRNG	0	0	0	0	8506	0	8506	0	8506
		COMMUNITY CARE MHC	0	0	0	0	4939	8773	13712	0	13712
		COUNSELING CENTER	0	0	0	0	2884	0	2884	0	2884
		HAMPDEN DIST MENTAL HEALTH CTR	0	0	0	0	3913	0	3913	0	3913
		INSIGHTS OF WESTERN MASS	0	0	0	0	3640	0	3640	0	3640
		JEWISH FAMILY SVC OF GTR SPFLD	0	0	0	0	4243	600	4843	0	4843
		OSBORN CLINIC	0	0	0	0	3382	490	3872	0	3872

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTMFR	TOTAL VISITS	EMFR DEPT	TOTAL UTILIZ
13	FREE M H	WESTFIELD AREA MNTL HLTH CLINIC	0	0	0	0	6405	0	6405	0	6405
		WESTFIELD CITY-WIDE DRUG CONC	0	0	0	0	0	0	0	0	0
		WILBRAHAM COUNSELING CENTER	0	0	0	0	824	0	824	0	824
13	FREE M H		0	0	971	0	77010	12765	90746	0	90746
13			96266	83562	18271	3298	140256	860247	1201403	271373	1473053
21	ACUTE HOSP	FORT DEVENS USA HOSPITAL	27988	5891	13907	159367	1172	135225	341550	17693	359243
		NASHUA COMMUNITY HOSPITAL	749	0	0	0	0	46599	37148	12416	49564
		CLINTON HOSPITAL	1824	0	0	0	0	21252	23076	15935	39011
		RANDOLPH HOSPITAL	12662	1535	379	0	484	40030	55089	20521	75610
		HENRY WYKOND MEMORIAL HOSP.	225	0	0	0	0	48285	48510	23822	72332
		LUDWIGSTADT HOSPITAL	30	1088	0	0	0	31866	32944	28001	60985
		WINCHESTER HOSPITAL	0	0	0	0	0	19467	19467	1340	20807
21	ACUTE HOSP		43478	6514	14285	159367	1656	332524	557824	119728	677552
		CHRONIC HOSP RUTLAND HEIGHTS HOSPITAL	3489	0	0	0	0	4181	7670	0	7670
21	CHRONIC HOSP		3489	0	0	0	0	4181	7670	0	7670
		FAMILY HEALTH CENTER	13521	0	0	0	147	0	13668	0	13668
21	FREE MED		13521	0	0	0	147	0	13668	0	13668
		FAMILY HEALTH CENTER	13521	0	0	0	147	0	13668	0	13668
		NORTH CENTRAL MASS MHC--AVER	0	0	0	0	2870	0	2870	0	2870
		NORTH CENTRAL MASS MHC--CLINTON	0	0	0	0	2811	0	2811	0	2811
		CATHOLIC SOCIAL SVCS--FITCHBURG	0	0	0	0	4291	0	4291	0	4291
		CHILDREN'S AID + FAMILY SVC	0	0	0	0	0	0	0	0	0
		NORTH CENTRAL MASS MHC	0	0	0	0	14751	0	14751	0	14751
		NORTH CENTRAL MASS MHC--CTRP	0	0	0	0	14343	0	14343	0	14343
		CATHOLIC SOCIAL SVCS--GARDNER	0	0	0	0	1806	0	1806	0	1806
		GARDNER MHC--GARDNER CLINIC	0	0	0	0	9225	270	9495	0	9495
		ALCOHOL COUNSELING SERVICES	0	0	0	0	3040	0	3040	0	3040
21	FREE M H		0	0	0	0	57137	270	57407	0	57407
21			60488	6514	14285	159367	58940	336975	636569	119728	756297
22	ACUTE HOSP	HOLDEN DISTRICT HOSPITAL	0	0	0	0	0	0	0	11327	11327
		DOCTOR'S HOSPITAL OF WORCESTER	415	0	0	0	0	13013	13428	0	13428
		FAIRLAWN HOSPITAL	3387	0	0	0	0	16156	19543	4237	23780
		MEMORIAL HOSPITAL	6115	6570	242	1662	3427	63981	41997	34677	116674
		ST. VINCENT HOSPITAL	7099	1146	2406	0	7894	138221	156766	31476	188242
		UNIVERSITY OF MASS. HOSPITAL	9805	30	601	0	10835	21271	1548	22819	22819
		WORCESTER CITY HOSPITAL	16220	1663	1537	729	509	73751	94409	55887	150296
		WORCESTER HANNEBANN HOSPITAL	65220	3845	0	0	0	115231	184296	41123	225419
22	ACUTE HOSP		108261	13254	4786	2391	11830	431188	571710	180275	751985
		CHRONIC HOSP WORCESTER COUNTY HOSPITAL	806	0	0	0	0	1178	1984	0	1984

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1974

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	DR/ GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ
22	CHRONIC HOSP		806	0	0	0	0	1178	1944	0	1984
22	PSYCH HOSP	WORCESTER STATE HOSPITAL	0	0	0	0	1685	0	1685	0	1685
22	PSYCH HOSP		0	0	0	0	1685	0	1685	0	1685
22	FREE MED	CENTRAL MASS REHAB CENTER	206	0	0	0	0	19409	19615	0	19615
		FALCON CLINIC, INC.	0	0	0	0	0	0	0	0	0
		FAMILY HLTH & SOCIAL SVC CTR	10885	633	0	1246	6939	15417	35120	0	35120
		FRIENDLY HOUSE INC.	584	0	0	0	1117	3393	5094	1	5095
		GREEN ISLAND NEIGHBORHOOD CTR.	2894	0	352	0	1336	19143	23725	9	23734
		GT BRONK VALLEY HEALTH CENTER	8438	551	0	0	0	5256	14245	0	14245
		HANFMAN FAMILY HEALTH CENTER	9141	345	0	0	304	785	10575	10	10585
		REHAB CENTER WORCESTER COUNTY	7458	0	703	0	0	11604	19765	11	19776
		SOUTH WORCESTER NEIGHBORHOOD CTR	0	0	0	0	4472	3786	8258	0	8258
		VETERANS ADMIN OUTPAT. CL.-WORC.	0	0	0	0	0	0	0	0	0
22	FREE MED		39606	1520	1055	1246	14168	78793	136397	31	136428
22	FREE M H	DAVID M MORTARTY, M.D., CLINIC	0	0	0	0	5982	0	5982	0	5982
		CHANDLER STREET CENTER	0	0	0	0	11090	0	11090	0	11090
		FAMILY SVC ORG OF WORCESTER	0	0	0	0	0	0	0	0	0
		GT BRONK VALLEY FAMILY CENTER	0	0	0	0	3679	0	3679	0	3679
		JEWISH FAMILY SVC OF WORCESTER	0	0	0	0	2220	0	2220	0	2220
		WORCESTER PASTORAL COUNS CTR	0	0	0	0	1825	636	2461	0	2461
		WORCESTER YOUTH GUIDANCE CTR	0	0	0	0	11469	0	11469	0	11469
22	FREE M H		0	0	0	0	36265	636	40900	0	36901
22	ACUTE HOSP	MILFORD WHITTINGVILLE REG HOSP.	148673	14783	5841	3637	63948	511795	756766	180306	928983
23	ACUTE HOSP	HARRINGTON MEMORIAL HOSPITAL	3768	0	0	0	0	52977	56745	41185	97930
		HARRARD REGIONAL HOSPITAL	963	839	0	0	12603	26765	41170	16881	58051
			3120	889	0	0	4366	48119	56294	17883	74177
23	ACUTE HOSP		7851	1528	0	0	16969	127861	154209	75949	230158
23	FREE MED	HARRINGTON MEM HOSP HLTH CTR	0	0	0	0	0	0	0	0	0
		GRAFTON FAMILY HEALTH CTR.	2863	0	3511	0	0	0	6374	30	6404
23	FREE MED		2863	0	3511	0	0	0	6374	30	6404
23	FREE M H	VALLEY ADULT COUNS SVC--BURLINGM	0	0	0	0	0	0	0	0	0
		GTR BLACKSTONE VLY YTH GUID CR	0	0	0	0	7285	0	7285	0	7285
		MILFORD ASSISTANCE PROGRAM	0	0	0	0	0	0	0	0	0
		VALLEY ADULT COUNS SVC--MILFRD	0	0	0	0	0	0	0	0	0
		VALLEY ADULT COUNS SVC--LINMD	0	0	0	0	0	0	0	0	0
		CATHOLIC CHARITIES FAM&CHILD SV	0	0	0	0	0	0	0	0	0
23	FREE M H		0	0	0	0	7285	0	7285	0	7285
23			10714	1528	3511	0	24254	127861	167868	75979	243847

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1974

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIT
31	ACUTE HOSP	LOWELL GENERAL HOSPITAL	4701	6980	0	0	2316	108213	122210	25055	147665
		ST. JOHN'S HOSPITAL	70474	665	0	0	0	76522	147661	50799	178460
		ST. JOSEPH'S HOSPITAL	12186	3422	545	0	191	3517	20061	52397	52458
31	ACUTE HOSP		87361	11267	545	0	2507	188252	249932	88651	378583
	PSYCH HOSP	DR. H. SOLOMON MENTAL HLTH CTR	0	0	0	0	19247	0	19247	0	19247
31	PSYCH HOSP		0	0	0	0	19247	0	19247	0	19247
	FREE MED	MEDICAL ASSOCIATES	0	0	0	0	0	0	101024	0	0
		RTSHOP MARKHAM HEALTH CENTER	1074	0	3407	0	90	566	5337	0	5337
		FAMILY PLANNING INC.	0	750	0	0	0	0	750	0	750
		WIGHAMWOOD ACRE HEALTH CTR	178	0	2114	412	102	302	3108	0	3108
		SHAUGHNESSY TERRACE HEALTH CL	156	646	0	407	13	344	1566	0	1566
		VETERANS ADMIN OUTPAT CL-LOWELL	0	0	0	0	0	0	28650	3	3
31	FREE MED		1408	1396	5721	819	295	1212	140435	3	10764
	FREE M H	CATHOLIC CHARITIES CENTRE	0	0	0	0	2098	173	2271	0	2271
		FAMILY SERVICE GREATER LOWELL	0	0	0	0	0	0	2894	0	0
31	FREE M H		0	0	0	0	2098	173	5165	0	2271
31			84769	12663	6266	819	24057	189637	454779	88654	410865
32	ACUTE HOSP	LAWRENCE GENERAL HOSPITAL	2464	3453	174	0	2110	20585	28786	44637	73423
		RON SECOURS HOSPITAL	8196	5326	9589	6	444	27806	51367	39441	90808
32	ACUTE HOSP		10660	8779	9763	6	2554	48391	80153	84078	164231
	FREE MED	UNITED CEREBRAL PALSY ASSN	0	0	0	0	0	3425	3425	0	3425
32	FREE MED		0	0	0	0	0	3425	3425	0	3425
	FREE M H	CATHOLIC CHARITIES CTR	0	0	0	0	1241	2888	4129	0	4129
		FAMILY SERVICE ASSN OF GTR LAW	0	0	0	0	2695	0	2695	0	2695
		GTR LAWRENCE MNTL HLTH CTR	0	0	0	0	9397	0	9397	0	9397
32	FREE M H		0	0	0	0	13333	2888	16221	0	16221
32			10660	8779	9763	6	15887	54704	99799	84078	183877
33	ACUTE HOSP	AMESBURY HOSPITAL	1393	293	0	0	1	16293	17980	12294	30274
		HAVERHILL MUNICIPAL HOSPITAL	6789	3500	0	0	0	5000	15289	33000	48289
		ANNA JACQUES HOSPITAL	3747	432	0	0	0	84586	88765	19187	107952
33	ACUTE HOSP		11929	4225	0	0	1	105879	122034	64481	186515
	FREE MED	PENNYCKET MEDICAL ASSOCIATES	20481	0	0	0	0	0	20481	12	20493
33	FREE MED		20481	0	0	0	0	0	20481	12	20493

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ
33	PRFE M H	CATHOLIC CHARITIES CTR	0	0	0	0	0	0	0	0	0
		CHILDREN'S AID & FAM SVC--HAVERL	0	0	0	0	0	0	0	0	0
		NORTH ESSEX MHC	0	0	0	0	0	0	0	0	0
33	PRFE M H		0	0	0	0	0	0	0	0	0
33	ACUTE HOSP	RPTM ISRAEL HOSPITAL	52897	15017	3724	2622	15043	344344	430467	29217	463684
		ROSTON CITY-DEPT HLTH & HOSP	114030	21646	14624	6334	73365	40523	272922	114706	387628
		ROSTON HOSP. FOR WOMEN	2198	22017	0	0	0	34923	59138	0	59138
		ROSTON VA HOSPITAL	34128	0	0	4904	9636	23884	72592	44160	116752
		CARNEY HOSPITAL	51057	1208	6137	1251	773	82557	142843	40658	183541
		CHILDREN'S HOSP MEDICAL CENTER	80528	1836	0	21497	9464	287534	400859	42005	463764
		FAULKNER HOSPITAL	3296	0	0	0	2239	77266	82801	20829	103630
		HAHNEMANN HOSPITAL	86	0	0	0	0	2492	2578	0	2578
		HUNTINGTON GENERAL HOSP.	787	0	0	0	0	10980	11767	341	12108
		J.P. KENNEDY, JR. MEM. HOSPITAL	6935	0	4653	2612	0	18182	32382	5463	37845
		LEWIS SHATTUCK HOSPITAL	8208	89	0	0	0	99961	108258	0	108258
		LONGWOOD HOSPITAL	8924	0	0	0	0	8315	17239	0	17239
		MASS EYE AND EAR INFIRMARY	82683	0	0	0	0	43372	126055	35382	181437
		MASS. GENERAL HOSPITAL	76846	1940	17205	6960	37295	89843	230109	67978	298087
		NEW ENGLAND BAPTIST HOSPITAL	240	0	0	0	0	13994	14234	0	14234
		NEW ENGLAND DEACONESS HOSP.	3821	0	0	1908	0	38014	43743	4963	48706
		NEW ENGLAND MEDICAL CTR HOSP	53854	5333	9087	11331	24440	372265	476310	29291	505601
		PARKER HILL MEDICAL CTR	307	0	0	0	0	2393	2700	0	2700
		PETER BENT BRIGHAM HOSPITAL	49090	2396	0	2190	5454	464323	523853	27734	551587
		ROBERT BRIGHAM HOSPITAL	16900	0	0	0	0	128537	145437	0	145437
		SHRINERS BURNS INSTITUTE	0	0	0	0	0	2236	2236	0	2236
		SIDNEY FARRER CANCER INSTITUTE	0	0	0	0	0	20413	20413	0	20413
		ST. ELIZABETH'S HOSPITAL	11209	2116	88	0	2070	11730	27213	26824	54037
		ST. MARGARET'S HOSPITAL	14920	7405	2452	0	0	389	10246	0	10246
		UNIVERSITY HOSPITAL, INC.	31888	634	0	0	9731	137258	162543	13599	176142
		USPHS HOSPITAL	14976	5346	725	13431	971	79198	131559	1836	153395
		W. REXBURY V.A. HOSPITAL	2414	645	0	4619	336	7580	27511	6500	34011
		ROSTON HOSP FOR WOMEN-PKWAY	1390	0	0	0	0	20730	23789	0	23789
		BROOKLINE HOSPITAL	0	0	0	0	0	4238	5628	240	5868
		LAHEY CLINIC FOUNDATION	26581	0	0	0	0	0	0	0	0
		CHELSEA MEMORIAL HOSPITAL	38575	0	0	0	0	87889	114470	13730	128200
		L.F. QUIGLEY MEMORIAL HOSP.	613	0	0	5006	1618	29329	74528	0	74528
		GROVER MANOR HOSPITAL	0	0	0	0	0	7512	8125	6951	15076
		WINTHROP COMMUNITY HOSPITAL	0	0	0	0	0	0	0	15340	15340
41	ACUTE HOSP		791781	88048	58695	84705	193155	2592204	3808588	588647	4377235
	CHRONIC HOSP	HFBREW REHAB CENTER FOR AGED	412	0	0	0	0	0	412	0	412
		MASS. REHAB. HOSPITAL	0	0	0	0	0	5963	5963	0	5963
		ST. JOHN OF GOD HOSPITAL	0	0	0	0	0	3255	3255	0	3255
41	CHRONIC HOSP		412	0	0	0	0	9218	9630	0	9630
	PSYCH HOSP	ROSTON STATE HOSPITAL	3784	0	0	0	133607	0	137391	930	138321
		ERIC LINDEMANN MHC	0	0	0	0	7769	13127	20896	0	20896

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	FMR DEPT	TOTAL UTILTY
41	PSYCH HOSP	MASS. MENTAL HEALTH CENTER	0	0	0	0	0	0	41500	2500	44000
		WASHINGTON CTR. FOR ADDIC.	0	0	0	0	15053	14923	29976	0	29976
		ARNHEIM HOSPITAL	0	0	0	0	0	1604	1604	0	1604
		HUMAN RESOURCE INST OF BOSTON	0	0	0	0	40000	0	40000	0	40000
41	PSYCH HOSP		3784	0	0	0	237929	29654	271367	3430	274797
	FREE MED	ALLSTON-BRIGHTON NGRD HLTH CTR	3626	43	3307	5607	406	1560	14549	0	14549
		A.U. SCHOOL OF DENTISTRY	1755	0	0	38000	0	0	39755	1300	41055
		BOSTON EVENING CLINIC	11316	2750	0	0	1402	6862	22330	10	22340
		BOSTON GUILD FOR HARD OF HEAR	0	0	0	0	0	4161	4161	0	4161
		BOSTON GUILD MOBILE VAN	0	0	0	0	0	5579	5579	0	5579
		BOSTON UNION HEALTH CTR--ILG-U	4095	2469	0	0	0	3007	11371	0	11371
		BROADIN ST. HEALTH CENTER	3846	943	3736	0	504	568	9597	0	9597
		BRIGHTON HEALTH UNIT	628	0	0	0	0	4504	5132	4	5136
		BROOKSIDE PARK FAMILY LIFE CTR	8767	4112	4425	6927	4158	3112	35501	0	35501
		BUNKER HILL HEALTH CTR OF WGH	20807	1712	8355	7983	11034	30967	80860	1	80861
		CHARLES CIRCLE CLINIC, INC.	0	0	0	0	0	0	12354	137	137
		CHARLES BREW FAMILY LIFE CTR	4928	3987	2224	3156	2422	14494	30811	0	30811
		CODMAN SQUARE HEALTH UNIT	0	0	0	0	0	1016	1016	0	1016
		COLUMBIA POINT HEALTH CTR	3842	1779	4494	3097	2511	26102	41825	15	41840
		COMMERCIAL UNION CLINIC	0	0	0	0	0	6809	6809	0	6809
		CRITTENTON HASTINGS HOUSE CLIN	4006	699	0	0	0	137	4842	4	4846
		DIVOCK COMMUNITY HEALTH CENTER	8829	6984	6771	6921	6293	27536	63334	0	63334
		DORCHESTER NHC	1502	4244	5164	0	0	5228	16134	0	16134
		EAST BOSTON NGRD HEALTH CTR	10989	3397	13498	1687	675	28908	59154	10816	69970
		FENWAY COMMUNITY HEALTH CENTER	3971	362	0	0	271	545	5149	0	5149
		FORSYTH DENTAL INFIRMARY CHILD	0	0	0	22550	0	0	22550	0	22550
		HARVARD CMNTY HLTH PLAN--RST	115268	16161	22151	0	0	0	153580	8691	162271
		HARVARD SCHOOL OF DENTAL MED.	892	0	0	23000	0	1821	25713	1	25714
		HEALTH INC.	10891	6369	10219	7251	0	3078	37808	0	37808
		HARVARD ST NGRD HEALTH CTR.	10092	12610	1799	4100	0	7701	36302	0	36302
		HYDE PARK HEALTH UNIT	0	0	0	0	0	6908	6908	0	6908
		JOSLIN DIABETES FOUNDATION	38900	0	0	0	0	0	38900	50	38950
		LABOIRE CENTER	0	2028	1782	1305	3605	412	9132	10	9142
		LAHEY CLINIC	129660	8991	0	0	5561	291937	436149	0	436149
		LIBERTY MUTUAL MEDICAL SVC CTR	6479	0	0	0	0	36363	42842	6	42848
		LITTLE HOUSE HEALTH CTR.	2688	926	3757	0	1869	1457	10697	0	10697
		LOGAN AIRPORT MED STA OF WGH	14899	0	0	0	0	0	14899	0	14899
		MARTHA ELIOT HEALTH CENTER	1759	5308	9851	5277	1542	5789	29526	0	29526
		MARYELLEN MCCORMACK SATELLITE	1923	198	933	1464	53	314	4885	3	4888
		MATTAPAN COMMUNITY HEALTH CNTR	606	1133	1459	552	0	255	4005	6	4011
		MEDICAL CARE ASSOC. INC.	0	0	0	0	0	0	0	10	10
		MESSENGER HILL-PARKER HILL CTR	0	0	0	0	0	0	5646	0	5646
		N.U. HEARING LANG SPEECH CLIN	0	0	0	0	0	5356	5356	0	5356
		NEPONSET HEALTH CENTER	5718	2359	3599	0	652	254	12602	0	12602
		NEUROSURGICAL FOUNDATION	2483	0	0	0	0	0	2483	0	2483
		NW ENGLAND COLLEGE OPTOM GEN	449	0	0	0	0	14381	14830	0	14830
		NW ENGLAND COLLEGE OPTOM SPEC	0	0	0	0	0	1458	1458	0	1458
		NW ENGLAND FOOT CLINICS	0	0	0	0	0	14859	14859	12	14871
		NORTH END COMMUNITY HLTH CTR	5844	1267	862	3641	8008	3615	23237	0	23237
		OVERHOLT THORACIC CLINIC	4863	0	0	0	0	0	4863	0	4863
		ROBBINS SPEECH & HEARING CTR	0	0	0	0	0	2242	2242	0	2242

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

MSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	FMR DEPT	TOTAL UTILIZ
41	FREE MED	ROSEBARD CLINIC	0	0	0	0	0	6602	47589	0	6602
		ROSLINDALE HEALTH CLINIC	0	0	0	0	0	945	945	0	945
		ROXBURY COMM COMMUNITY HEALTH CTR	70727	9217	10452	6000	0	41200	137596	0	137596
		ROXBURY DENTAL + MEDICAL GROUP	0	732	2543	4505	0	8903	16683	10	16693
		SOUTH BOSTON COMMUNITY HLTH CTR	6600	2000	4400	5300	0	11850	30550	50	30600
		SOUTH COVE COMMUNITY HLTH CTR	3703	1969	1499	421	1426	5280	14494	6	14504
		SOUTH END COMMUNITY HEALTH CTR	3719	3430	13187	0	4069	4230	28735	0	28735
		SOUTH END DENTAL SERVICES	0	0	0	5603	0	0	5603	0	5603
		SOUTH END HEALTH UNIT	26248	0	0	0	0	0	26248	0	26248
		SOUTH JAMAICA PLAIN HEALTH CTR	44	1050	1098	0	969	6621	10682	0	10682
		TEAMSTER'S LOCAL 25 HLTH + WEL	0	0	0	10850	0	11764	22614	0	22614
		THE BRIDGE, INC.	0	0	0	0	1744	4086	5850	52	5902
		THE KIDNEY CENTER	1435	0	0	0	179	908	2722	30	2752
		THE KIDNEY CENTER	43386	0	0	0	0	0	43386	21	43407
		TRAVELER'S INSURANCE CO. CL.	3970	0	0	75000	0	1599	5569	1	5570
		TUFTS UNIVERSITY DENTAL CLINIC	0	0	0	0	0	0	75000	0	75000
		UPHAMS CORNER HEALTH CENTER	6157	3581	5330	2218	577	741	18624	6	18630
		VETERAN'S ADMIN OUTPT. CL--BOST	68500	100	0	12000	56000	55750	192350	120	192470
		WHITTIER STREET HEALTH CENTER	1321	3137	4472	2010	0	427	11567	0	11567
		W E WOMEN'S SERVICE, INC	2252	3058	0	0	0	0	5316	1	5317
		PRETERM, INC.	13711	10014	7597	2280	4200	307	24032	7	24039
		CHELSEA HEALTH CTR OF MGH	10149	2767	71	0	0	503	27496	0	27496
		BEVRE HEALTH CENTER	0	0	0	0	0	0	71	0	71
41	FREE MED		709369	131584	164535	268705	120152	732131	2185465	2180	2147858
	FREE M H	AFTERCARE CLINIC	0	0	0	0	736	0	736	0	736
		ALICE WILL AVE DRUG CLINIC	0	0	0	0	8944	984	9932	0	9932
		BOSTON CITY DRUG REHAB PROGRAM	0	0	0	0	10192	572	10764	0	10764
		BRANSTON ST. DRUG CLINIC	0	0	0	0	12792	676	13468	0	13468
		BRIGHTON DRUG CLINIC	0	0	0	0	9152	832	9984	0	9984
		BRIGHTON--ALLSTON MNTL HLTH CLN	0	0	0	0	6179	6000	12179	0	12179
		COLUMBIA PT ALCOHOLISM PROGRAM	0	0	0	0	7000	0	7000	0	7000
		COMPREHENSIVE DRUG PROGRAM	0	0	0	0	2220	3000	3199	0	3199
		COUNSELING SERVICE INC	0	0	0	0	9025	0	9025	0	9025
		DANIELSEN PASTRL COUNS SVC--RU	0	0	0	0	1614	0	1614	0	1614
		DORCHESTER MENTAL HEALTH CFNTE	0	0	0	0	4352	0	4352	0	4352
		DOUGLAS A THOM CLINIC--CHILDREN	0	0	0	0	7332	416	7748	0	7748
		EAST BOSTON DRUG REHAB CLINIC	0	0	0	0	3500	0	3500	0	3500
		EAST BOSTON--WINTHROP COUNS CTR	0	0	0	0	10869	0	10869	0	10869
		FAMILY COUNS & GUID CTR--METRN	0	0	0	0	81366	0	81366	0	81366
		FAMILY SVC ASSOC OF GRTR BOSTN	0	0	0	0	1500	739	2239	0	2239
		FAULKNER HOSPITAL--ADAMS HOUSE	0	0	0	0	2633	0	2633	0	2633
		J J JACKSON PUTNAM CHILDREN CR	0	0	0	0	0	11246	11246	0	11246
		JEWISH FAM & CHILDREN SVC--BOST	0	0	0	0	17050	2125	19175	0	19175
		JOHN KENNEDY FAMILY SVC CTR	0	0	0	0	14606	201	14807	0	14807
		JUDGE BAKER GUIDANCE CENTER	0	0	0	0	0	0	0	0	0
		LANGUAGE + COGNITIVE DEVL CTR	0	0	0	0	3210	0	3210	0	3210
		PARENTS & CHILDREN'S SERVICES	0	0	0	0	2497	0	2497	0	2497
		PROTESTANT SOCIAL SERVICE BUR	904	0	0	0	0	0	904	0	904
		RIVER ST. CLINIC	0	0	0	0	8228	0	8228	0	8228
		TUFTS--WEST BROADWAY UNIT	0	0	0	0	0	0	0	0	0

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

MSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ
41	FREE M H	WEST ROSPARK MENTAL HEALTH CTR	0	0	0	0	0	0	0	0	0
		WEST ROXBURY OFFICE--M H C	0	0	0	0	0	0	0	0	0
		ROXBURY MENTAL HEALTH CLINIC	0	0	0	0	6000	2400	8400	0	8400
		FAMILY COUNSELING SVCS--BROOK	0	0	0	0	0	0	0	0	0
		JEWISH FAMILY CHLDREN SVC--ROSLF	0	0	0	0	0	0	0	0	0
		CARE ABOUT NOW INC	0	0	0	0	5040	400	5440	0	5440
		CHELSEA COMMUNITY COUNSEL CENTER	0	0	0	0	2632	0	2632	0	2632
		REVERE COMMUNITY COUNSEL CTR	0	0	0	0	6080	0	6080	0	6080
41	FREE M H		904	0	0	0	244948	29595	275522	0	275447
41			1506250	219634	223230	353410	794144	3392802	4550572	593457	7084967
42	ACUTE HOSP	SYMES HOSPITAL	28053	0	0	0	0	17957	46010	18803	64813
		CAMBRIDGE HOSPITAL	17808	3434	1917	0	6240	111	29510	33470	62980
		MOUNT AUBURN HOSPITAL	11030	80	0	0	17263	332	28705	29074	57779
		SANCTA MARIA HOSPITAL	484	0	0	0	0	48674	49144	12042	61206
		EMERSON HOSPITAL	62241	0	0	0	14696	196150	273047	28867	301954
		CENTRAL HOSPITAL	0	1454	674	0	0	2013	5045	17885	22930
		SOMERVILLE HOSPITAL	6652	3337	16320	1615	0	56719	84843	28663	113306
		WINCHESTER HOSPITAL	2684	0	0	0	0	25378	28062	21134	49196
		CHARLES CHURCH MEMORIAL HOSP.	209	0	0	0	63	26993	27265	25062	52327
42	ACUTE HOSP		129165	8307	18913	1615	38262	375229	571491	215000	786491
	CHRONIC HOSP	BEDFORD V.A. HOSPITAL	10167	0	0	3102	20631	69039	102939	0	102939
		YONVILLE HOSPITAL	0	0	0	96	0	8016	8112	0	8112
		NEW ENGLAND REHAB HOSPITAL	2370	0	0	0	0	11738	14108	0	14108
42	CHRONIC HOSP		12537	0	0	3198	20631	88793	125159	0	125159
	PSYCH HOSP	MCLEAN HOSPITAL	0	0	0	0	37830	0	37830	0	37830
		VALLEYHEAD HOSPITAL	0	0	0	0	0	11	11	0	11
42	PSYCH HOSP		0	0	0	0	37830	11	37841	0	37841
	FREE MED	ACTON MEDICAL ASSOCIATES	26440	0	0	0	0	2301	28741	0	28741
		BRIDGE DENTAL CLINIC	181	0	0	1357	0	0	1538	322	1860
		CAMBRIDGE HIGH SCHOOL NHC	0	0	0	0	0	2300	2300	0	2300
		CAMBRIDGEPORT NGRD HEALTH CTR	1550	1429	0	4	50	319	3552	0	3552
		CHILDREN'S DEVELOPMENTAL CLIN	0	0	0	0	0	1531	1531	0	1531
		FITZGERALD NGRD HLTH CTR--PFD	0	0	7147	0	0	26	7173	0	7173
		HARRINGTON NGRD HLTH CTR	0	0	7043	0	0	0	7043	0	7043
		HARVARD COUNTY HLTH PLAN--CAMB	66686	12686	11928	0	0	0	91300	0	91300
		KENNEDY NEIGHBORHOOD HLTH CTR	0	0	5504	0	0	56	5560	0	5560
		M. F. FITZGERALD ADULT NGRD CL	822	750	0	0	95	276	1943	0	1943
		M. I. KING NGRD HLTH CTR	0	0	4468	0	0	0	4468	0	4468
		MARY CASTRIOTTA CLINIC	1302	1174	0	4	72	411	2963	0	2963
		NEIGHBORHOOD FAM CARE CTR--PED	0	0	4001	0	0	10	4011	0	4011
		NEIGHBORHOOD FAM CARE CTR--ADLT	84	81	0	0	3	45	213	0	213
		RIVERSIDE NGRD HEALTH CENTER	274	595	0	0	11	139	1019	0	1019
		WOMEN'S COMMUNITY HEALTH CTR.	0	0	0	0	0	0	0	0	0
		EAST SOMERVILLE HEALTH CENTER	452	1440	3416	0	0	171	5479	0	5479

SELECTED UTILIZATION BY SERVICE

MSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/ GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	FMR DEPT	TOTAL UTILIZ		
42	FREE MED	MYSTIC HEALTH CENTER	1458	564	4071	1415	0	444	4552	3	8555		
		SOMERVILLE WOMENS HLTH PROJCT	223	1369	409	0	0	0	2001	0	2001		
		60+ HEALTH CENTER	0	0	0	0	0	0	1466	1466	0	1466	
			99472	20288	44387	2980	231	9495	180653	325	181178		
42	FREE M H	ARLINGTON YOUTH CONSULT CENTER	0	0	0	0	12205	0	12205	0	12205		
		FMLY SVC ASSOC-GRTR HNG-ARLNGTN	0	0	0	0	0	0	0	0	0	0	
		MYSTIC VALLEY CCMHC-ARLINGTON	0	0	0	0	7455	0	0	7455	0	7455	
		CODE COMMNTY RESOURCE CTR INC	0	0	0	0	0	0	0	0	0	0	
		ARLINGTON COMMUNITY LIFF CTR	0	0	0	0	0	0	0	0	0	0	
		MYSTIC VALLEY CCMHC-RURI/WARN	0	0	0	0	6732	0	0	6732	0	6732	
		CAMBRIDGE DAY CENTER	0	0	0	0	4928	0	0	4928	0	4928	
		CAMBRIDGE FAM & CHILDRENS SVC	0	0	0	0	15028	0	0	24960	0	24960	
		CAMBRIDGE GUIDANCE CENTER	0	0	0	0	6507	0	0	6507	0	6507	
		CAMBRIDGEPORT PROBLEM CENTER	0	0	0	0	3197	0	0	3197	0	3197	
		WOMENS CMNGS & RESOURCE CENTER	0	0	0	0	1500	0	0	1500	0	1500	
		ASSOCIATES FOR HUMAN RESOURCES	0	0	0	0	5134	0	0	5134	0	5134	
		ASSOCIATES FOR HUMAN RESOURCES	0	0	0	0	650	0	0	650	0	650	
		CONCORD FAMILY SERVICE SOCIETY	0	0	0	0	6706	0	0	6706	0	6706	
		SERVICE TO YOUTHS	0	0	0	0	1590	0	0	2215	0	2215	
		WALDEN GUIDANCE ASSOCIATION	0	0	0	0	13371	0	0	13371	0	13371	
		FMLY SVC ASSOC-GRTR HNG-LYNGTN	0	0	0	0	0	0	0	0	0	0	
		MYSTIC VALLEY CCMHC LEXINGTON	0	0	0	0	11502	0	0	11502	0	11502	
		RE-PLACE, INC.	0	0	0	0	2750	0	0	2750	0	2750	
		CATHOLIC CHARITIES--CAM + SNV	0	0	0	0	12874	0	0	12874	0	12874	
42	FREE M H	FAMILY SVC ASSOC GTR HNG- SNV	0	0	0	0	0	0	0	0	0	0	
		SOMERVILLE MENTAL HEALTH CTR	0	0	0	0	33294	0	0	33294	0	33294	
		WALNUT STREET CENTER	0	0	0	0	1658	0	0	1658	0	1658	
		MYSTIC VALLEY CCMHC--WINCHSTER	0	0	0	0	4008	0	0	4008	0	4008	
		COUNSELING SERVICE CENTER	0	0	0	0	4623	0	0	4623	0	4623	
			0	0	0	0	154054	12215	166269	0	166269	0	166269
			241174	28595	67300	7793	251008	485743	1081613	215325	1296938	1296938	
		43	ACUTE HOSP	FRAMINGHAM UNION HOSPITAL	4292	1203	1863	0	0	48879	60237	39617	99854
				MARLBOROUGH HOSPITAL	1404	0	0	0	0	120396	121800	34427	156227
				LEONARD MORSE HOSPITAL	16028	130	0	0	0	81142	97300	40656	137956
				GLOVER MEMORIAL HOSPITAL	211	0	0	0	0	35452	35643	49319	49319
				NEWTON-WELLESLEY HOSPITAL	7418	897	681	1320	6456	64076	80848	32895	113743
WALTHAM HOSPITAL	3156			2226	1880	0	9272	43030	59564	37701	97265		
	36509			4456	4424	1320	15728	392955	455392	198972	654364		
	1291			0	0	351	173	18591	20376	0	20376		
43	CHRONIC HOSP	RETHANY HOSPITAL	4874	0	0	0	7140	12014	0	12014			
			6165	0	0	351	173	25701	32390	0	32390		
43	PSYCH HOSP	E.K. SHRIVER CTR FOR M.R.	2881	0	0	4419	0	622	7922	0	7922		
		WESTBOROUGH STATE HOSPITAL	0	0	0	0	1341	0	1341	0	1341		

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	FMR DEPT	TOTAL UTILIZ
43	PSYCH HOSP		2881	0	0	4419	1341	622	9263	0	9263
43	FREE MED	LEARNING CENTER FOR DEAF CHILD	0	0	0	0	0	126	126	0	126
		WETROPOLITAN CTRS-SPEECHHEAR	0	0	0	0	0	42992	42992	0	42992
		NEWTON-WILSON MULT SVC CTR	58	386	0	0	510	1600	2603	0	2603
		WATERBURY MULTI-SERVICE CTR	0	0	0	0	0	0	10000	0	0
43	FREE MED		58	386	0	0	510	44767	55721	0	45721
43	FREE M H	ALCOHOL REHABILITATION CENTER	0	0	0	0	8190	0	8190	0	8190
		FAMILY COUNS & GUID CTR--WSTON	0	0	0	0	14599	0	14599	0	14599
		TRINITY MENTAL HEALTH CENTER	0	0	0	0	15102	0	15102	0	15102
		YOUTH GUIDANCE CTR FRAMINGHAM	0	0	0	0	0	0	24704	0	0
		MARSHALL INSTITUTE	0	0	0	0	1010	3	1013	0	1013
		AREA ALCOHOLISM REHAB CENTER	0	0	0	0	8278	0	8278	0	8278
		MARLBOROUGH-WESTBURY COUNTY MHC	0	0	0	0	12127	1937	14064	0	14064
		FAMILY COUNSELING SVCS--NATICK	0	0	0	0	0	0	0	0	0
		FAMILY SVC ASSOC GTP ROS-NEDHAM	0	0	0	0	0	0	0	0	0
		LESLIE H. CUTLER CLINIC--NEEDHAM	0	0	0	0	720	0	720	0	720
		NEEDHAM YOUTH COMMISSION	0	0	0	0	1305	4800	6105	0	6105
		CHARLES RIVER COUNSELING CTR INC	0	0	0	0	16078	0	16078	0	16078
		FAMILY COUNSELING SVCS--NEWTON	0	0	0	0	25262	7300	32562	0	32562
		NEWTON GUIDANCE CLINIC	0	0	0	0	0	0	4570	0	4570
		HEAVERBROOK GUIDANCE CENTER	0	0	0	0	4568	0	4568	0	4568
		FAMILY COUNSELING SVCS--WALTHAM	0	0	0	0	0	0	0	0	0
		MIDDLESEX EAST II, INC	0	0	0	0	3720	360	4080	0	4080
		FAMILY COUNSELING SVCS--WYLAND	0	0	0	0	0	0	0	0	0
		FAMILY COUNSELING SVCS--WILLOW	0	0	0	0	0	0	0	0	0
		HUMAN RELATIONS SVC OF WILLOW	0	0	0	0	4493	0	4493	0	4493
		NEWTON WILSON MULT SVC	0	0	0	0	789	0	789	0	789
43	FREE M H		0	0	0	0	116247	14000	159925	0	130647
43			45613	4842	4424	6090	133999	474445	712691	198972	872385
44	ACUTE HOSP	MASS. HOSPITAL SCHOOL	452	0	3	0	0	1404	2059	0	2059
		WABRON HOSPITAL	17859	0	0	0	9309	96573	123741	49230	192971
		PONDVILLE HOSPITAL	8571	360	0	45	0	8528	17504	0	17504
44	ACUTE HOSP		27082	360	3	45	9309	106505	143304	69230	212534
44	PSYCH HOSP	WETFIELD STATE HOSPITAL	0	0	0	0	29662	0	29662	0	29662
		WESTWOOD LODGE INC.	0	0	0	0	74	201	275	0	275
		WENTHAM STATE SCHOOL	3588	5	0	3400	21200	52690	80883	450	81733
44	PSYCH HOSP		3588	5	0	3400	50936	52891	110820	450	111670
44	FREE MED	NEEDHAM MED ASSOC--NEEDHAM	43800	6000	16000	6200	600	14000	86600	0	86600
		FOXBORO ARFA HEALTH CENTER	17859	0	0	0	140	3992	21991	0	21991
		NEEDHAM MED ASSOC--WESTWOOD	0	0	0	0	0	0	0	0	0
44	FREE MED		61659	6000	16000	6200	740	17992	108591	0	108591

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

MSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	DR/ GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ
44	FREE M M	FAMILY SERVICE OF DEDHAM INC. LESLIE H. CUTLER CLINIC	0	0	0	0	4363	0	4363	0	4363
			0	0	0	0	9131	0	9131	0	9131
44	FREE M M		0	0	0	0	13494	0	13494	0	13494
44			92329	6365	15003	9645	74479	177588	376209	70080	440289
45	ACUTE HOSP	MILTON HOSPITAL QUINCY CITY HOSPITAL SOUTH SHORE HOSPITAL	960 11531 1159	0 2416 0	954 0 0	0 0 0	0 0 0	45508 89612 0	47422 103259 1159	13457 35614 59851	60879 138873 61010
45	ACUTE HOSP		13650	2116	954	0	0	135120	151540	108922	260762
	CHRONIC HOSP	BRAINTREE HOSPITAL NORFOLK COUNTY HOSPITAL	0 291	0 0	0 0	0 0	0 0	730 1365	730 1656	0 0	730 1656
45	CHRONIC HOSP		291	0	0	0	0	2095	2386	0	2386
	FREE MED	SOUTH SHORE MEDICAL CLINIC CEREBRAL PALSY TRT CTR S SHORE QUINCY FAMILY PLANNING PROJECT QUINCY FAMILY PLANNING PROJECT SERRANO DENTAL CLINIC SO SHORE ROSTON SCHOOL FOR DEAF CLINIC	65567 0 120 120 0 0	3170 0 575 575 0 0	0 0 0 0 0 0	0 0 0 0 2000 0	470 0 0 0 0 0	54616 22136 1184 489 0 660	123832 22136 1184 2000 660	0 0 0 0 0 0	123832 22136 1184 2000 660
45	FREE MED		65807	4320	0	2000	470	78390	150996	0	150996
	FREE M M	FAMILY COUNS & GUID CTR--SOUTH SOUTH SHORE PASTORAL COUNSELING FAMILY SVC ASSOC GTR ROS-QUINCY MULTI-SERVICE CENTER SOUTH SHORE MENTAL HEALTH CTR JEWISH FAMILYCLDRNS SVC--ROSLINDEN	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	9148 4140 0 9839 18883 0	0 0 0 0 1778 0	9148 4140 0 9839 20661 0	0 0 0 0 0 0	9148 4140 0 9839 20661 0
45	FREE M M		0	0	0	0	42010	1778	43788	0	43788
45			79748	6445	954	2000	42440	217383	349010	108922	457932
51	ACUTE HOSP	STURDY MEMORIAL HOSPITAL	0	0	0	0	0	151791	151791	37006	188797
51	ACUTE HOSP		0	0	0	0	0	151791	151791	37006	188797
	FREE M M	ALCOHOLISM SERVICES INC ATLANTIC AREA MENTAL HEALTH LESLIE H. CUTLER CLINIC--PLNVL	0 0 0	0 0 0	0 0 0	0 0 0	553 15768 0	0 0 0	553 15768 0	0 0 0	553 15768 0
51	FREE M M		0	0	0	0	16321	0	16321	0	16321
51			0	0	0	0	16321	151791	168112	37006	205118
52	ACUTE HOSP	BROCKTON HOSPITAL CARDINAL CUSHING GENERAL HOSP. GODDARD MEMORIAL HOSPITAL	11765 1926 809	5345 0 0	231 0 0	0 472 0	0 0 0	0 32159 34346	221518 34557 35155	41049 44242 33061	262567 78799 69116

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1974

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PERINAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	FMR DEPT	TOTAL UTILIZ
52	ACUTE HOSP		14500	5305	231	472	0	270682	291230	119252	410482
52	CHRONIC HOSP	BROCKTON VA HOSPITAL	2931	0	0	4960	73022	10926	91839	0	91839
52	CHRONIC HOSP		2931	0	0	4960	73022	10926	91839	0	91839
	FREE MED	GORDARD MEDICAL ASSOCIATES GTR BROCKTON HEALTH CARE CTR MAHONY ENCEPHALIS CLINIC	0	0	0	0	0	0	0	0	0
			0	0	1261	0	0	1202	2463	0	2463
			0	0	0	0	0	0	0	0	0
52	FREE MED		0	0	1261	0	0	1202	2463	0	2463
	FREE M H	AIC INTERVENTION CENTER BROCKTON FAM AND COMM RESOURCE BROCKTON MULTISERVICE CENTER JEWISH FAMILY & CHILDRENS SVCS THE PHANFUF CENTER MULTI-SERVICE HEALTH CENTER AVON-STOUGHTON-HLBK MULTI SRV CR	0	0	0	0	2600	1728	2690	0	2690
			0	0	0	0	0	0	19878	0	19878
			0	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0
			264	251	0	0	1131	0	1646	10	1656
			0	0	0	0	7440	0	7440	0	7440
			0	0	0	0	4746	675	5421	0	5421
52	FREE M H		264	251	0	0	17735	18825	37075	10	37085
52			17695	5596	1492	5432	90757	301655	422607	119262	541869
53	ACUTE HOSP	JORDAN HOSPITAL	540	500	0	0	0	61998	63038	31370	94408
53	ACUTE HOSP		540	500	0	0	0	61998	63038	31370	94408
53	CHRONIC HOSP	PLYMOUTH COUNTY HOSPITAL	3511	0	0	0	0	0	3511	0	3511
53	CHRONIC HOSP		3511	0	0	0	0	0	3511	0	3511
	FREE M H	COMMUNITY COUNSELING CENTER SOUTH SHORE COUNSELING ASSN FAMILY COUNS & GUID CTR--PLYM NORTH RIVER COUNSELING ALCOHOLIC FAMILY REHAB SOUTH SHORE CMNTY ACTION COUN	0	0	0	0	0	0	0	0	0
			0	0	0	0	9576	0	9576	0	9576
			0	0	0	0	1898	0	1898	0	1898
			0	0	0	0	3690	0	3690	0	3690
			0	0	0	0	11910	0	11910	0	11910
			0	0	0	0	0	0	0	0	0
53	FREE M H		0	0	0	0	27074	0	27074	0	27074
53			4051	500	0	0	27074	61998	93623	31370	124993
54	ACUTE HOSP	ST. LUKES HOSPITAL MIDDLEBORO MORTON HOSPITAL	627	0	0	0	0	5923	6550	10120	16670
			4660	304	0	0	0	54553	59517	33595	93112
54	ACUTE HOSP		5287	304	0	0	0	60476	66067	43715	109782
	CHRONIC HOSP	LAKEVILLE HOSPITAL	6353	0	438	15	0	9688	16494	0	16494
54	CHRONIC HOSP		6353	0	438	15	0	9688	16494	0	16494

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1974

HQA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/ GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ
54	PSYCH HOSP	TAUNTON STATE HOSPITAL	53	0	0	44	47324	6	47427	532	47959
54	PSYCH HOSP		53	0	0	44	47324	6	47427	532	47959
	FREE M H	WINDLERBORN-LAKEVILLE MH CENTER	0	0	0	0	4660	40	4700	0	4700
		RAYHAM HUMAN SERVICES ASSN	0	0	0	0	0	0	797	0	0
		REHOBOTH PROBLEM SOLVING CTR	0	0	0	0	2226	500	2726	0	2726
		HELPMATE, INC.	0	0	0	0	935	0	935	0	935
		CHILDREN'S PRCTIVE SVC & FAM COMM	0	0	0	0	0	0	0	0	0
		EAST TAUNTON COMMUNITY CTR INC	0	0	0	0	1961	0	1961	0	1961
		GTR TAUNTON ALCOHOLIC COJINS	0	0	0	0	1494	0	1494	0	1494
		DAKLAND WESTVILLE CMNTY CTR	0	0	0	0	761	0	761	0	761
		TAUNTON AREA MENTAL HEALTH CL	0	0	0	0	1657	0	1657	0	1657
54	FREE M H		0	0	0	0	14094	540	15431	0	15431
54			11493	304	438	59	61418	70710	145419	44247	188869
55	ACUTE HOSP	ST. ANNES HOSPITAL, INC. UNION-TRIENSDALE INC.	5064 2840	160 3000	0	0	3430	43714 25406	72368 31246	23694 40222	96062 71468
55	ACUTE HOSP		7904	3160	0	0	3430	49120	103614	43916	147530
55	PSYCH HOSP	LORRIGAN MENTAL HEALTH CENTER	0	0	0	0	9018	2743	11761	0	11761
55	PSYCH HOSP		0	0	0	0	4018	2743	11761	0	11761
	FREE MED	COMMUNITY REHAB CNTR AND SVC FALL RIVER COMMUN DEV SRV CNTR UNION HEALTH CENTER, TLGWH	355 7293 11361	0 0 2507	0 2330 0	0 4669 0	0 0 145	11294 1234 15448	11629 15526 29461	0 0 0	11629 15526 29461
55	FREE MED		14989	2507	2330	4669	145	27974	56616	0	56616
	FREE M H	FAMILY SVC ASSOC GTR FALL RIVER GTR FALL RIVER MNTL HLTH ASSOC STEPPINGSTONE, INC	0 0 0	0 0 0	0 0 0	0 0 0	0 2946 5027	0 0 1473	0 2946 6500	0 0 0	0 2946 6500
55	FREE M H		0	0	0	0	7973	1473	9446	0	9446
55			26893	5667	2330	4669	20566	121312	141437	63916	245353
56	ACUTE HOSP	ST. LUKES HOSPITAL-NEW BEDFORD UNION HOSPITAL OF NEW BEDFORD	5937 3568	3010 0	0 0	0 113	0 0	23544 4808	32491 8489	42407 6123	75098 14612
56	ACUTE HOSP		9505	3010	0	113	0	28352	40980	48730	89710
	FREE MED	CERERRAL PALSY CLINIC	55	0	96	28	90	26732	27001	0	27001
56	FREE MED		55	0	96	28	90	26732	27001	0	27001
	FREE M H	CENTRO DE AYUDA DRUG TREATMENT PROGRAM NEW BEDFORD AREA MNTL HLTH CLNC	0 0 0	0 0 0	0 0 0	0 0 0	2685 45400 8094	300 0 0	2985 45400 8094	0 0 0	2985 45400 8094

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

MSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHR	TOTAL VISITS	FMR RPT	TOTAL UTILIZ
56	FREE M H	NEW BEDFORD AREA CTR HUMAN SVC	0	0	0	0	8094	0	8094	0	8094
		NEW BEDFORD CHILD & FAMILY SVC	0	0	0	0	5280	4730	10010	0	10010
		THE AID CENTER INC	0	0	0	0	6212	720	6932	0	6932
56	FREE M H		0	0	0	0	75745	5750	81515	0	81515
56			2560	3010	96	141	75855	60834	149496	48730	198226
57	ACUTE HOSP	CAPE COD HOSPITAL	4678	120	0	0	90	67320	72208	49278	121486
		FALMOUTH HOSPITAL	1639	0	0	0	0	24193	25832	23942	49774
		NANTUCKET COTTAGE HOSPITAL	431	0	0	0	0	0	431	4965	5396
		MARTHA'S VINEYARD HOSPITAL	1909	0	0	0	0	24617	26528	9435	36361
		TORREY HOSPITAL	388	0	0	0	0	22109	22557	19160	41717
57	ACUTE HOSP		9045	120	0	0	90	138299	147554	107180	254734
		CHRONIC HOSP BARNSTABLE COUNTY HOSPITAL	11038	400	0	0	0	15241	26679	0	26679
57	CHRONIC HOSP		11038	400	0	0	0	15241	26679	0	26679
		WFLP OF CAPE COD	1478	780	0	0	0	1172	5450	0	3430
		HLTH ASSOCIATES OF PROVINCETOWN	0	0	0	0	2200	0	2200	0	2200
		PROVINCETOWN DROP-IN CENTER	540	0	0	0	23400	2400	26340	0	26940
		PROJECT	0	0	0	0	250	80	330	0	330
		A.I.M. MEDICAL CENTER	11790	0	0	2030	0	994	14814	50	14864
57	FREE MED		13808	780	0	2030	25850	4646	47114	650	47764
		CAPE COD MENTAL HEALTH CENTER	0	0	0	0	0	0	0	0	0
		CAPE COUNSELING CENTER	0	0	0	0	3088	0	3088	0	3088
		ROURKE YOUTH+FAMILY SERVICES	0	0	0	0	3640	1560	5200	0	5200
		POCASSET MENTAL HEALTH CENTER	0	0	0	0	1278	0	1278	0	1278
		DROP-IN CENTER	0	0	0	0	11850	0	11850	0	11850
		MONMOUTH COMMUNITY SERVICES	0	0	0	0	751	0	751	0	751
		MARTHA'S VINEYARD MNTL HLTH CL	0	0	0	0	2385	1026	3411	0	3411
		CCATRU COUNSELING CENTER	0	0	0	0	3424	0	3424	0	3424
		FALMOUTH COMMUNITY SOC SERVICE	0	0	0	0	465	150	615	0	615
		NANTUCKET COUNSELING SERVICE	0	0	0	0	1561	156	1517	0	1517
		HALLGARTH INST OF BHVRL SCNCE	0	0	0	0	4910	113	5023	0	5023
		CAPE COD MNTL HLTH CTR-WFLFLT	0	0	0	0	2422	0	2422	0	2422
57	FREE M H		0	0	0	0	35574	5005	38579	0	38579
57			33891	1300	0	2030	61514	161191	259926	107830	567756
61	ACUTE HOSP	HEVERLY HOSPITAL	10567	2723	0	0	6396	76177	95863	25260	121123
		ANDERSON GILBERT HOSPITAL	388	0	0	0	0	20614	21002	14361	35363
		BENJAMIN STICKNEY CARLE	1522	0	0	0	1559	31770	34851	8363	43214
61	ACUTE HOSP		12477	2723	0	0	7955	128561	151716	47984	199700
		CAPE ANNE MEDICAL CENTER	0	0	0	0	0	0	29592	0	0

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1974

MSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	OB/GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	FMR DEPT	TOTAL UTILIZ
61	FREE MED		0	0	0	0	0	0	29592	0	0
61	FREE M H	N SHORE COUNSELING CENTER	0	0	0	0	0	0	0	0	0
		PROJECT RAP	0	0	0	0	6056	700	6756	0	6756
		CAPE ANN CHILD AND FAMILY CNTR	0	0	0	0	5335	0	5335	0	5335
		CHILDRENS FRNDS&FAM SVC SMC-N.SHR	0	0	0	0	0	0	0	0	0
61	FREE M H		0	0	0	0	11591	700	12091	0	12091
61			12477	2723	0	0	19340	129261	193399	47944	211791
62	ACUTE HOSP	HUNT MEMORIAL HOSPITAL	1927	0	0	0	0	99300	101227	19019	120246
		MARY A. ALLEY HOSPITAL	271	0	0	0	0	8949	9220	0	9220
		JUSTIN B. THOMAS HOSPITAL	425	0	0	0	0	7700	8125	17464	25589
		NORTH SHORE CHILDRENS HOSP.	5428	0	894	0	3431	5450	15205	0	15205
		SALEM HOSPITAL	4598	1444	0	0	0	637	5679	34497	40176
62	ACUTE HOSP		11649	1444	894	0	3431	122036	139456	70980	210436
		CHRONIC HOSP DR.J.R.SHAUGHNESSY CHR. REHAB.	0	0	0	0	0	41907	41907	0	41907
62	CHRONIC HOSP		0	0	0	0	0	41907	41907	0	41907
		UNITED CEREBRAL PALSY CLINIC	0	0	0	0	0	300	300	0	300
62	FREE MED		0	0	0	0	0	500	500	0	500
		FREE M H	0	0	0	0	21108	0	21108	0	21108
		N SHORE COUNCIL ON ALCOHOLISM	0	0	0	0	4232	0	4232	0	4232
		N AREA FAM COUNSELING CTR INC	0	0	0	0	3390	0	3390	0	3390
		WARLEHEAD COMMUNITY COUNS CTR	0	0	0	0	4715	2449	7164	0	7164
		N SHORE CATHOLIC CHARITIES CTR	0	0	0	0	0	0	0	0	0
		CHILDRENS FRIENDS&FAM SVCS SMC	0	0	0	0	250	0	250	0	250
		CHILDRENS PROTECTIVE SERVICES	0	0	0	0	0	0	0	0	0
		JEWISH FAMILY SVC OF N. SHORE	0	0	0	0	0	0	0	0	0
		NORTH SHORE GUIDANCE CENTER	0	0	0	0	0	0	0	0	0
62	FREE M H		0	0	0	0	33695	2449	36144	0	36144
62			11649	1444	894	0	37126	166692	217807	70980	288787
63	ACUTE HOSP	LYNN HOSPITAL	16155	807	0	0	0	340741	357703	51171	408874
		UNION HOSPITAL-LYNN	214	0	0	0	34100	43333	77647	21497	99144
		SAUGHS GENERAL HOSPITAL	766	0	0	0	0	6992	7758	8033	15791
63	ACUTE HOSP		17135	807	0	0	34100	391066	443108	80701	523809
		PSYCH HOSP	0	0	0	0	1422	0	1422	0	1422
63	PSYCH HOSP	MT. PLEASANT HOSPITAL	0	0	0	0	1422	0	1422	0	1422
		FREE MED	1328	1913	0	0	1549	4697	9487	0	9487
63	FREE MED	LYNN CMNTY HLTH + COUNS CTR	1328	1913	0	0	1549	4697	9487	0	9487

SELECTED UTILIZATION BY SERVICE
MASSACHUSETTS AMBULATORY CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	GENERAL MEDICAL	DR/ GYN	PEDIAT	DENTAL	MENTAL HEALTH	OTHER	TOTAL VISITS	EMER DEPT	TOTAL UTILIZ	
63	FREE M H	FAMILY & CHILDRENS SVC OF LYNN GTR LYNN COMM MNTL HLTH PRGRM LYNN MHC ST JOHN'S CHURCH LYNN MHC--CALLAHAN SCHOOL LYNN MHC--FIRST CHURCH LYNN MHC--STISSEN LYNN MHC--CTR CONGRGTNL CHURCH LYNN MHC--MINORITY CHURCH CTR LYNN MHC--ST STEVEN'S CHURCH LYNN MHC--VILLAGE CHURCH PROJECT CLIFF INC LISTEN, INC	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	4388 35086 0 0 0 0 0 0 0 0 1411 0	0 0 0 0 0 0 0 0 0 43 850	0 0 0 0 0 0 0 0 0 0 0 0	4388 35086 0 0 0 0 0 0 0 0 1454 850	0 0 0 0 0 0 0 0 0 0 0 0	4388 35086 0 0 0 0 0 0 0 0 1454 850
63	FREE M H		0	0	0	0	40845	893	41778	0	41778	
63			18463	2720	0	0	77956	396856	495795	80701	576496	
64	ACUTE HOSP	WELROSE-WAKFIELD HOSPITAL NEW ENGLAND MEMORIAL HOSPITAL	2015 2103	0 1630	0 0	0 0	902 1244	69214 236070	72131 241047	29744 28376	101879 269423	
64	ACUTE HOSP		4118	1630	0	0	2146	305284	315178	58124	571302	
64	FREE M H	EASTERN MIDDLESEX GUIDANCE CTR STONEHAM ACTION COMMITTEE INC	0 0	0 0	0 0	0 0	6861 0	0 0	6861 0	0 0	6861 0	
64	FREE M H		0	0	0	0	6861	0	6861	0	6861	
64			4118	1630	0	0	9007	305284	320039	58124	378163	
65	ACUTE HOSP	WHIDDEN MEMORIAL HOSPITAL MALDEN HOSPITAL LAWRENCE MEMORIAL HOSPITAL	565 6034 146	0 2165 0	0 0 0	0 0 0	0 2171 0	94180 81832 21374	94745 92202 21520	20463 34576 24028	115208 126778 45548	
65	ACUTE HOSP		6745	2165	0	0	2171	197386	208467	79067	287534	
65	FREE M H	ADOLESCENT COUNS IN DEVELOPMNT FAMILY SVC ASSOC GTR HNS-MALD JEWISH FAM & CHILDRENS SVC--MALD TRI-CITY MENT HLTH AND RET CTR	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	22800 0 0 13121	0 0 0 0	22800 0 0 13121	0 0 0 0	22800 0 0 13121	
65	FREE M H		0	0	0	0	35921	0	35921	0	35921	
65			6745	2165	0	0	38092	197386	244388	79067	323455	
TOTAL												18701598

INDUCED ABORTIONS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

INDUCED ABORTIONS

Since January 1, 1976, the Division of Health Statistics, Office of State Health Planning, has been collecting aggregate statistics reporting individual abortions. During the period January through June, 1977, 17,264 abortions were reported in Massachusetts compared with 16,557 for the corresponding interval in 1976 — a ratio of approximately one abortion for each two live births.

Induced abortions in Massachusetts may be performed in any one of four settings depending upon the gestational trimester and the type of procedure:

1. The major providers are the free-standing licensed clinics, accounting for 76% of the total abortions in Massachusetts. Six free-standing licensed clinics reported for the complete year. One clinic which was awaiting licensure began reporting in August of 1977 and was licensed in early 1978. One unlicensed clinic did not report.

2. The second location type is the hospital inpatient setting where either a first or second trimester abortion may be performed using procedures as diverse as suction curettage, sharp dilation and curettage, intrauterine prostaglandin instillation, hysterectomy or hysterotomy. Seventeen percent of Massachusetts abortions were performed in hospital inpatient facilities. Sixty-four of the 130 acute hospitals in Massachusetts participated in the abortion reporting program in 1977. The remaining 66 acute hospitals reported that they were not performing induced abortions and would not consider doing so in the future.

3. The third setting, the hospital outpatient department, accounts for 7% of the abortions in the Commonwealth.

4. The fourth type of locale was added too late to provide statistics at this time. Late in 1977 the Department pursued information brought to its attention and added to the reporting system five sites operating under physicians' licenses. In private medical practice or private group practice where suction equipment is available, a first trimester abortion may be performed. Plans are now being formulated to contact all physicians and ultimately all those who perform abortions in the office setting will be surveyed.

Prior to August 1, 1977, collection of data was limited to aggregate information relative to the number of abortions performed, initial procedure used, weeks of gestation, number of previous induced abortions and types of complications for each category of procedure. On August 1, 1977, however, a new form was instituted which added a new dimension to our information file. For the first time, data is available concerning the age of the patient and her city or town of residence. A two-month sample for August and September, 1977 data is included.

In August of 1978 the Department implemented a new patient-specific abortion reporting form standardizing Massachusetts statistics to compare with information available from other states. Among the items included are race, marital status, educational status, previous pregnancies, and more detailed information pertaining to abortions performed on pregnancies of more than 23 weeks gestation.

FIGURE 12

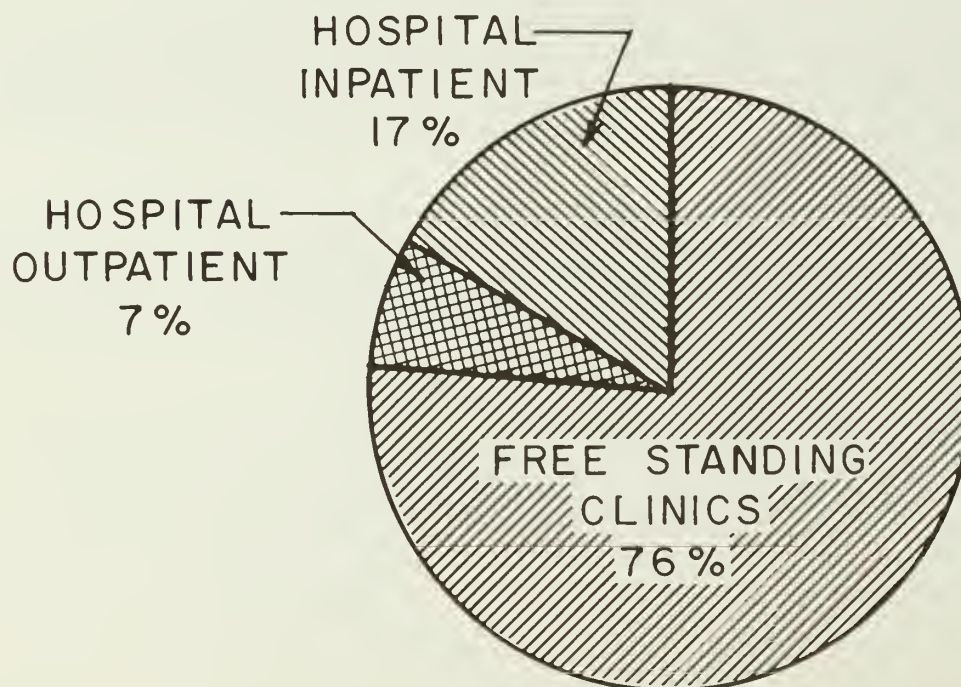
NUMBER OF INDUCED ABORTIONS BY WEEKS OF GESTATION¹ BY
TYPE OF FACILITY AND TYPE OF SERVICE, JANUARY – JUNE, 1977

TYPE OF FACILITY	WEEKS OF GESTATION						TOTAL	PERCENT
	≤8	9-10	11-12	13-15	16-20	≥21		
HOSPITAL	1,509	915	463	293	777	111	4,068	23.6
CLINIC	7,709	3,851	1,611	25	0	0	13,196	76.4
TOTAL	9,218	4,766	2,074	318	777	111	17,264	100.0
PERCENT	53.4	27.6	12.0	1.8	4.5	0.6	100.0	—
TYPE OF SERVICE								
INPATIENT	860	545	328	290	777	111	2,911	16.9
OUTPATIENT	8,358	4,221	1,746	28	0	0	14,353	83.1

¹Weeks of gestation are calculated from the first day of the last menstrual period in accordance with the terms of reporting required by the Center for Disease Control. However, weeks of pregnancy should be counted from the 14th day after the first day of the last menstrual period.

SOURCE: Massachusetts Department of Public Health
Abortion Reporting Program, 1977.

DISTRIBUTION OF INDUCED ABORTIONS BY TYPE OF FACILITY
JANUARY-JUNE, 1977



DISTRIBUTION OF INDUCED ABORTIONS BY WEEKS OF GESTATION
JANUARY-JUNE, 1976 AND 1977

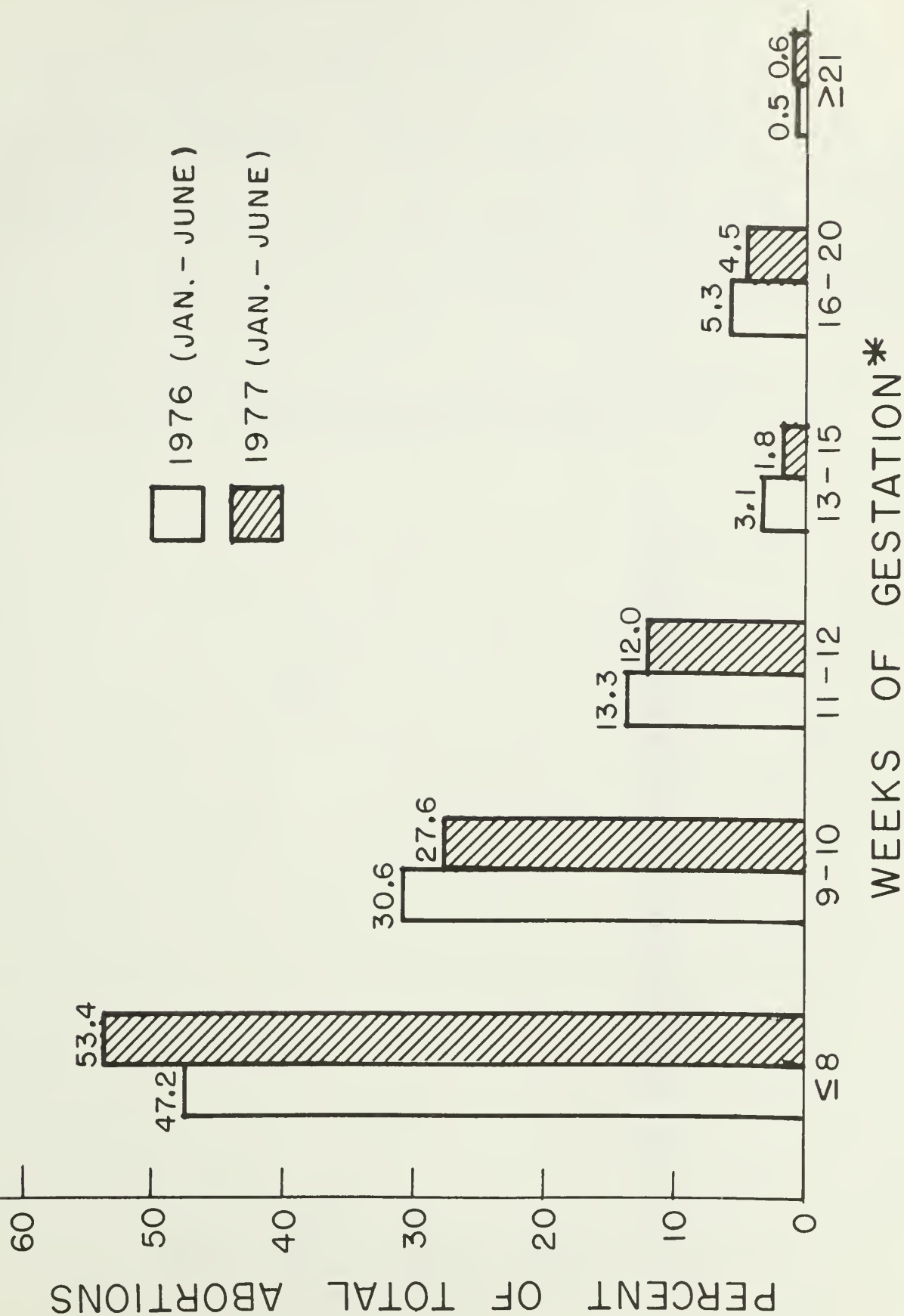


FIGURE 13

*Weeks of gestation are calculated from the first day of the last menstrual period in accordance with the terms of reporting required by the Center for Disease Control. However, weeks of pregnancy should be counted from the 14th day after the first day of the last menstrual period.

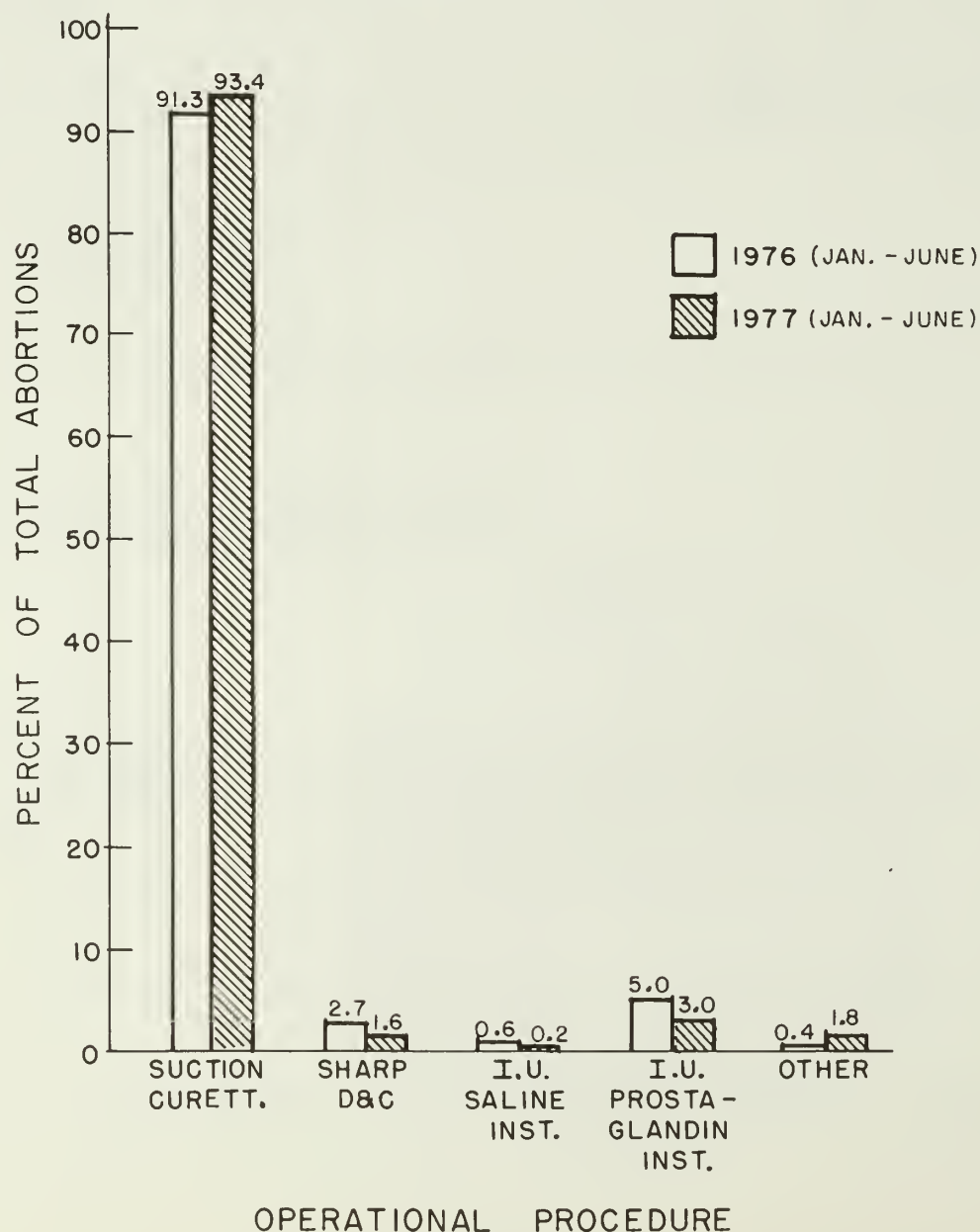
TABLE 56

FIGURE 14

**NUMBER OF INDUCED ABORTIONS BY OPERATIONAL PROCEDURE
BY TYPE OF FACILITY AND TYPE OF SERVICE
JANUARY - JUNE, 1977**

TYPE OF FACILITY	TYPE OF PROCEDURE					TOTAL
	SUCTION CURETTAGE (WITH OR WITHOUT SHARP D & C)	SHARP D & C	INTRA-UTERINE SALINE INSTILLATION	INTRA-UTERINE PROSTAGLANDIN INSTILLATION	OTHER(S)	
HOSPITAL	2,921	272	33	521	321	4,068
CLINIC	13,196	0	0	0	0	13,196
TOTAL	16,117	272	33	521	321	17,264
PERCENT	93.4	1.6	0.2	3.0	1.8	100.0
TYPE OF SERVICE						
INPATIENT	1,780	256	33	521	321	2,911
OUTPATIENT	14,337	16	0	0	0	14,353

**DISTRIBUTION OF INDUCED ABORTIONS BY OPERATIONAL PROCEDURE
JANUARY-JUNE, 1976 AND 1977**



**NUMBER OF INDUCED ABORTIONS BY HEALTH SERVICE AREA
BY TYPE OF FACILITY AND TYPE OF SERVICE
JANUARY — JUNE, 1977**

TYPE OF FACILITY	HEALTH SERVICE AREA												STATE 63 Hosp. 6 Clinics	
	I 11 Hosp. 2 Clinics		II 10 Hosp. 0 Clinics		III 3 Hosp. 0 Clinics		IV 23 Hosp. 4 Clinics		V 7 Hosp. 0 Clinics		VI 9 Hosp. 0 Clinics			
HOSPITAL CLINIC	No. 836 1,817	% 31.5 68.5	No. 240 0	% 100.0 0	No. 143 0	% 100.0 0	No. 2,498 11,379	% 18.0 82.0	No. 138 0	% 100.0 0	No. 213 0	% 100.0 0	No. 4,068 13,196	% 23.6 76.4
TOTAL	2,653	100.0	240	100.0	143	100.0	13,877	100.0	138	100.0	213	100.0	17,264	100.0
TYPE OF SERVICE														
INPATIENT	436	16.4	238	99.2	30	21.0	1,981	14.3	116	84.1	110	51.6	2,911	16.9
OUTPATIENT	2,217	83.6	2	0.8	113	79.0	11,896	85.7	22	15.9	103	48.4	14,353	83.1
PERCENT OF STATE TOTAL	15.4		1.4		0.8		80.4		0.8		1.2		100.0	

TABLE 58

INDUCED ABORTIONS BY RESIDENCE OF PATIENT WITH RATES PER 1000 WOMEN¹
AGES 15-44 — BY HSA AND SUBAREA.
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977

HSA/SUBAREA	CLINICS			HOSPITAL OUTPATIENT			HOSPITAL INPATIENT			TOTAL ALL ABORTIONS		
	ABORTIONS DATA AUG. & SEPT.	EST. PER YR.	RATE/ 1000/ YR.	ABORTIONS DATA AUG. & SEPT.	EST. PER YR.	RATE/ 1000/ YR.	ABORTIONS DATA AUG. & SEPT.	EST. PER YR.	RATE/ 1000/ YR.	ABORTIONS DATA AUG. & SEPT.	EST. PER YR.	RATE/ 1000/ YR.
I 1	35	210	6.89	3	18	0.59	3	18	0.59	41	246	8.07
2	176	1,056	26.96	16	96	2.45	23	138	3.52	215	1,290	32.94
3	236	1,416	12.88	100	600	5.46	44	264	2.40	380	2,280	20.74
TOTAL	447	2,682	14.93	119	714	3.98	70	420	2.34	636	3,816	21.25
II 1	130	780	17.70	6	36	0.82	27	162	3.68	163	978	22.20
2	133	798	15.73	6	36	0.71	59	354	6.98	198	1,188	23.41
3	123	738	15.87	3	18	0.39	26	156	3.35	152	912	19.61
TOTAL	386	2,316	16.39	15	90	0.64	112	672	4.76	513	3,078	21.78
III 1	112	672	13.23	9	54	1.06	17	102	2.01	138	828	16.30
2	99	594	19.59	8	48	1.58	20	120	3.96	127	762	25.14
3	55	330	14.37	24	144	6.27	7	42	1.83	86	516	22.46
TOTAL	266	1,596	15.34	41	246	2.36	44	264	2.54	351	2,106	20.24
IV 1	840	5,040	26.53	86	516	2.72	296	1,776	9.35	1,222	7,332	38.60
2	317	1,902	17.00	38	228	2.04	62	372	3.32	417	2,502	22.36
3	298	1,788	15.89	23	138	1.23	53	318	2.83	374	2,244	19.95
4	116	696	18.80	3	18	0.49	17	102	2.76	136	816	23.66
5	195	1,176	17.51	4	24	0.36	29	174	2.59	229	1,374	20.46
TOTAL	1,767	10,602	20.45	154	924	1.78	457	2,742	5.29	2,378	14,268	27.52
V 1	25	150	8.16	1	6	0.33	5	30	1.63	31	186	10.12
2	118	858	19.19	2	12	0.27	42	252	5.64	162	972	21.74
3	70	420	15.03	0	0	0	18	108	3.86	88	528	18.89
4	45	270	13.31	1	6	0.30	7	42	2.07	53	318	15.68
5	66	396	12.79	0	0	0	6	36	1.16	72	432	13.95
6	40	240	7.61	4	24	0.76	11	66	2.09	55	330	10.46
7	183	1,098	37.25	3	18	0.61	23	138	4.68	209	1,254	42.54
TOTAL	547	3,282	16.14	11	66	0.32	112	672	3.31	670	4,020	19.77
VI 1	78	468	20.04	6	36	1.54	16	96	4.11	100	600	25.69
2	86	516	17.19	10	60	2.00	17	102	3.40	113	678	22.58
3	79	474	17.37	31	186	6.81	23	138	5.06	133	798	29.24
4	69	414	17.34	2	12	0.50	3	18	0.75	74	444	18.59
5	122	732	22.89	7	42	1.31	27	162	5.06	156	936	29.26
TOTAL	434	2,604	19.02	56	336	2.46	86	516	3.78	576	3,456	25.31
TOTAL MASS. RESIDENT	3,847	23,082	17.99	396	2,376	0.31	881	5,286	4.12	5,124	30,744	23.96
UNKNOWN	207	1,242	—	0	0	—	9	54	—	216	1,296	—
NON RESIDENTS	388	2,328	—	33	198	—	65	390	—	486	2,916	—
TOTAL	4,442	26,652	—	429	2,574	—	955	5,730	—	5,826	34,956	—

¹Based on Female Population Ages 15-44.

DISTRIBUTION OF INDUCED ABORTIONS BY SITE AND BY RESIDENCE
 MASSACHUSETTS HEALTH SERVICE AREAS
 (TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)

FIGURE 15

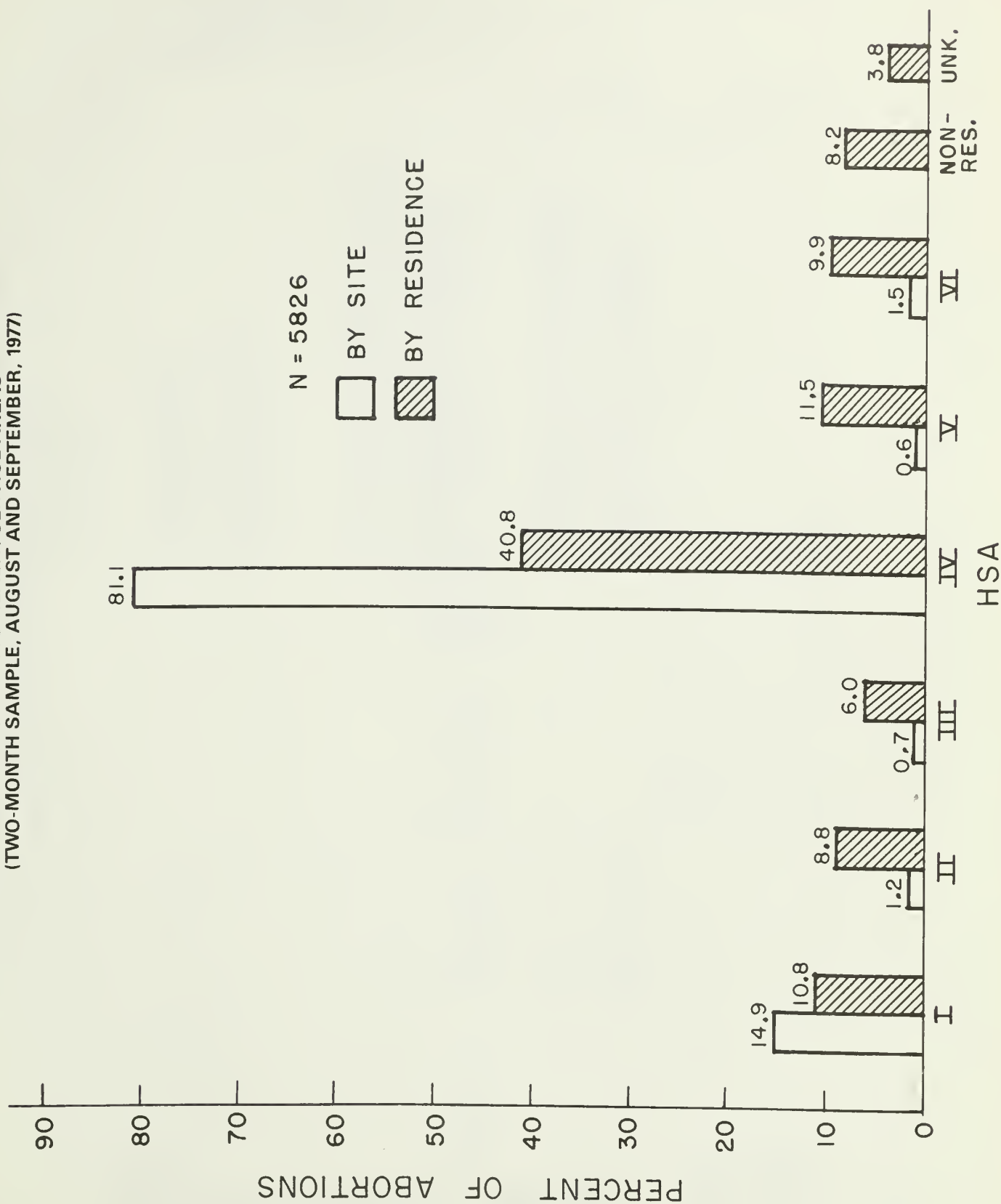
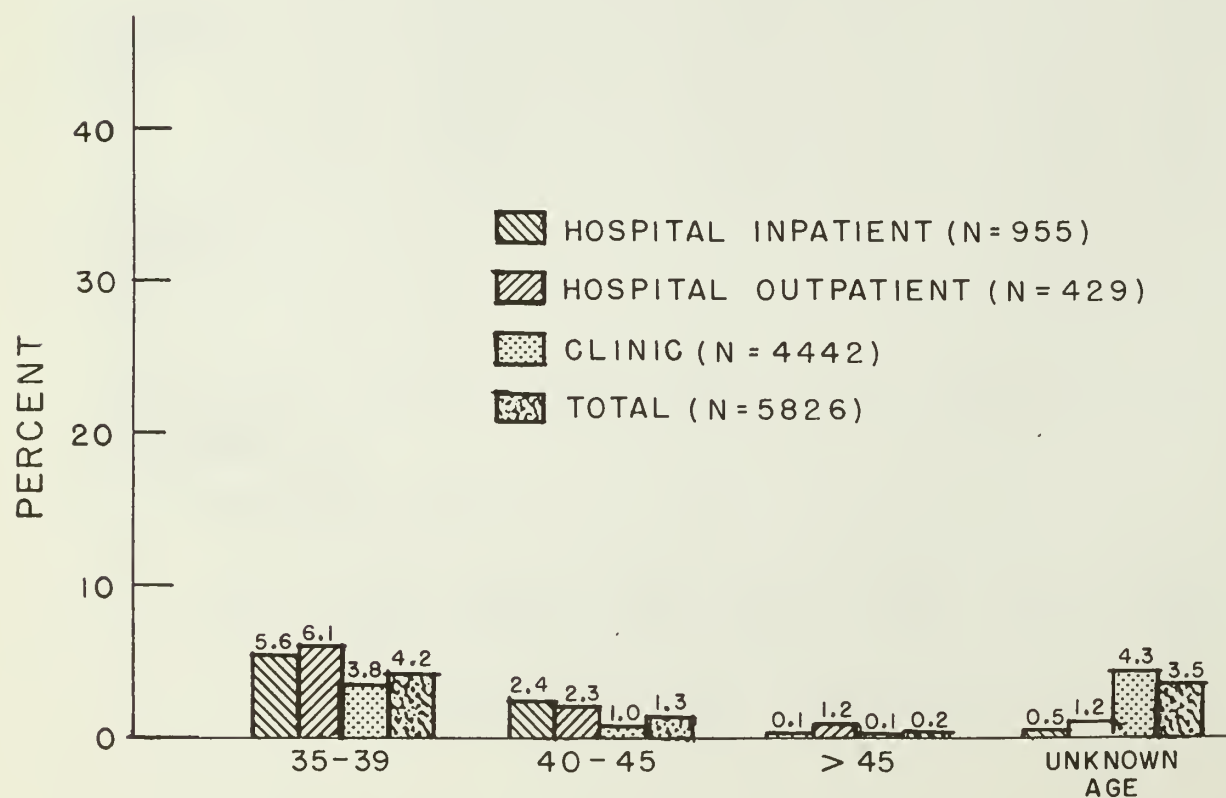
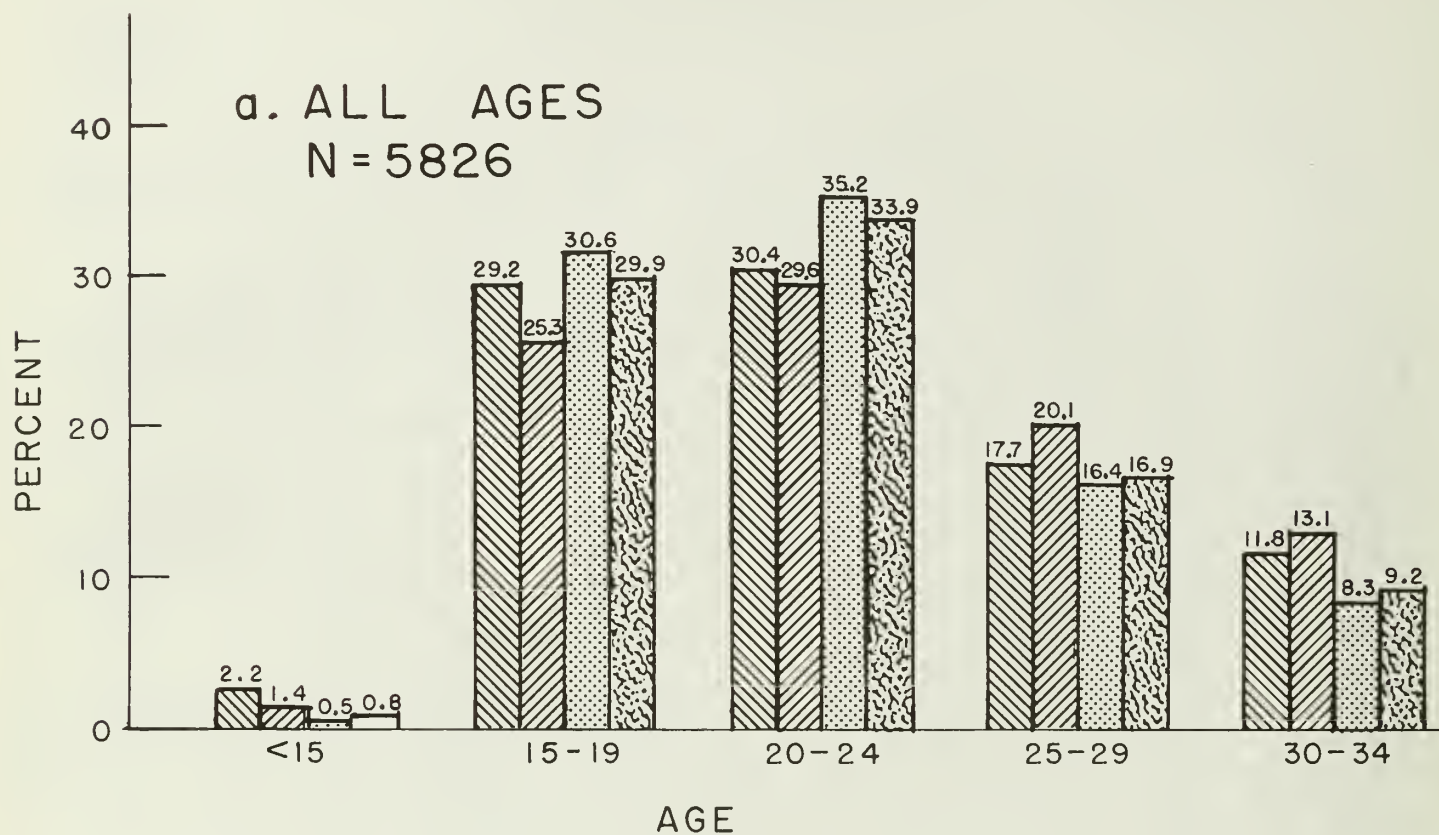


FIGURE 16

DISTRIBUTION OF INDUCED ABORTIONS PERFORMED IN MASSACHUSETTS
BY AGE GROUP AND TYPE OF FACILITY
(TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)



DISTRIBUTION OF INDUCED ABORTIONS PERFORMED IN MASSACHUSETTS
FOR AGES UNDER 20 BY TYPE OF FACILITY
(TWO-MONTH SAMPLE, AUGUST AND SEPTEMBER, 1977)

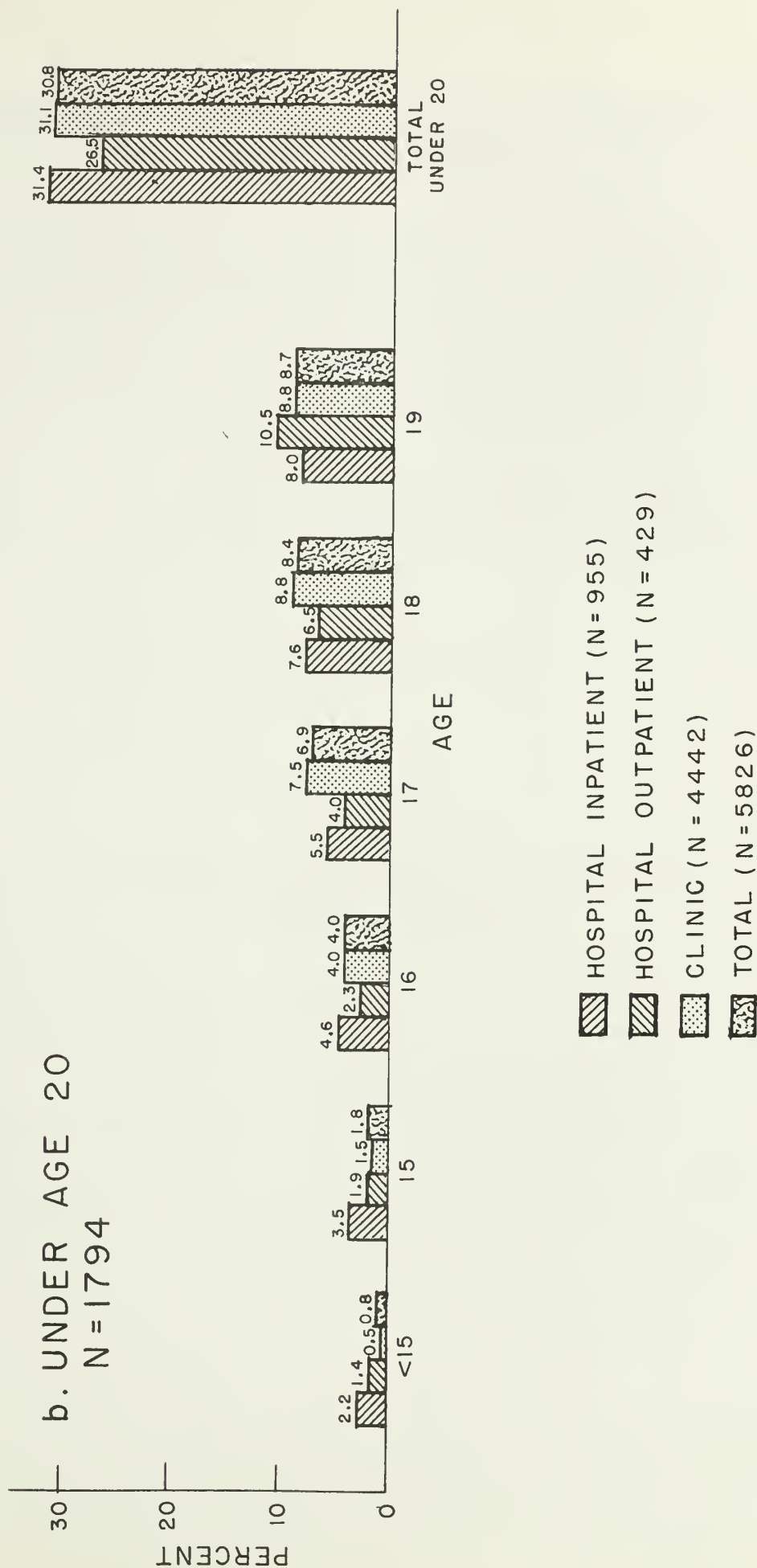


FIGURE 17

TABLE 59

TABLE 60

**NUMBER OF INDUCED ABORTIONS BY TYPE OF FACILITY AND TYPE OF SERVICE BY AGE
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977**

TYPE OF FACILITY		AGE													TOTAL
		<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45	UNKNOWN	
HOSPITALS	N	27	41	54	70	101	121	417	255	169	80	33	6	10	1,384
	%	1.95	2.96	3.90	5.06	7.30	8.74	30.13	18.43	12.21	5.78	2.39	0.43	0.72	100.00
CLINICS	N	22	66	179	333	391	389	1,563	729	368	167	42	4	189	4,442
	%	0.50	1.49	4.03	7.49	8.80	8.76	35.19	16.41	8.28	3.76	0.95	0.09	4.25	100.00
TOTAL		49	107	233	403	492	510	1,980	984	537	247	75	10	199	5,826
PERCENT		0.84	1.84	4.00	6.92	8.44	8.75	33.99	16.89	9.22	4.24	1.29	0.17	3.46	100.00
TYPE OF SERVICE															TOTAL
INPATIENT	N	21	33	44	53	73	76	290	169	113	54	23	1	5	955
	%	2.20	3.46	4.61	5.55	7.64	7.96	30.37	17.70	11.83	5.65	2.41	0.10	0.52	100.00
OUTPATIENT	N	28	74	189	350	419	434	1,690	815	424	193	52	9	194	4,871
	%	0.57	1.52	3.88	7.19	8.60	8.91	34.70	16.73	8.70	3.96	1.07	0.19	3.98	100.00

**CLINIC ABORTIONS BY SITE — BY HSA AND AGE OF PATIENT
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977¹**

HSA/SUBAREA		AGE													TOTAL
		<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45	UNKNOWN	
I	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	1	2	7	9	11	11	75	39	13	—	1	—	—	169
	3	4	7	21	43	45	33	123	48	31	13	6	—	48	422
	TOTAL	5	9	28	52	56	44	198	87	44	13	7	—	48	591
IV	1	17	57	151	281	335	345	1,365	642	324	154	35	4	66	3,776
	2													75	75
	3														
	4														
	5														
	TOTAL	17	57	151	281	335	345	1,365	642	324	154	35	4	141	3,851
STATE TOTALS		22	66	179	333	391	389	1,563	729	368	167	42	4	189	4,442

¹Clinic abortions were not performed in HSA's II, III, V, and VI.

CLINIC ABORTIONS BY RESIDENCE OF PATIENT — BY HSA AND AGE OF PATIENT
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977

HSA/SUBAREA	AGE													TOTAL
	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45	UNKNOWN	
I 1	1	0	0	2	3	6	13	7	2	1	0	0	0	35
2	0	2	10	8	11	14	78	38	14	0	1	0	0	176
3	1	3	11	21	25	18	84	37	20	9	6	1	0	236
TOTAL	2	5	21	31	39	38	175	82	36	10	7	1	0	447
II 1	1	3	6	13	15	11	44	22	7	7	1	0	0	130
2	0	3	6	4	18	16	51	22	11	2	0	0	0	133
3	1	0	6	14	16	7	35	26	12	5	1	0	0	123
TOTAL	2	6	18	31	49	34	130	70	30	14	2	0	0	386
III 1	0	3	5	17	11	8	47	2	14	5	0	0	0	112
2	0	2	7	7	11	8	32	20	6	5	1	0	0	99
3	0	1	1	10	4	5	19	7	7	0	1	0	0	55
TOTAL	0	6	13	34	26	21	98	29	27	10	2	0	0	266
IV 1	6	9	18	36	58	65	358	169	89	27	4	1	0	840
2	1	3	7	18	30	21	104	59	42	28	4	0	0	317
3	1	3	17	29	29	35	102	36	28	13	5	0	0	298
4	0	0	5	11	14	22	35	11	12	4	2	0	0	116
5	0	3	6	16	19	21	69	40	10	11	1	0	0	196
TOTAL	8	18	53	110	150	164	668	315	181	83	16	1	0	1,767
V 1	0	1	3	2	2	1	8	5	3	0	0	0	0	25
2	1	3	9	8	13	9	38	18	12	5	2	0	0	118
3	0	3	2	8	7	9	19	10	6	6	0	0	0	70
4	1	1	2	4	1	7	18	7	1	2	0	1	0	45
5	0	1	2	5	7	4	24	10	7	6	0	0	0	66
6	1	1	5	3	1	4	16	8	1	0	0	0	0	40
7	1	2	6	9	10	18	77	40	13	1	6	0	0	183
TOTAL	4	12	29	39	41	52	200	98	43	20	8	1	0	547
VI 1	0	1	6	12	9	11	16	10	6	6	1	0	0	78
2	0	1	1	6	12	13	41	4	5	2	1	0	0	86
3	0	0	2	8	10	6	31	15	3	4	0	0	0	79
4	0	1	1	2	9	3	26	19	2	5	1	0	0	69
5	0	2	6	11	11	9	49	19	9	5	1	0	0	122
TOTAL	0	5	16	39	51	42	163	67	25	22	4	0	0	434
OTHER STATES														
CONN.	0	3	11	16	10	3	25	6	8	0	1	0	0	83
MAINE	0	0	1	4	3	4	9	3	0	1	0	0	0	25
N.H.	0	1	3	5	7	11	32	15	3	3	1	1	0	82
R.I.	2	5	10	18	11	14	35	18	12	2	0	0	0	127
VERMONT	1	1	1	1	1	1	9	5	2	0	0	0	0	22
N.Y.	1	0	0	0	2	1	7	3	0	1	0	0	0	15
OTHER	0	1	2	2	0	2	6	7	1	0	1	0	0	22
FOREIGN COUN.	0	0	1	2	1	2	4	1	0	1	0	0	0	12
UNKNOWN	2	3	0	1	0	0	2	10	0	0	0	0	189	207
TOTAL	6	14	29	49	35	38	129	68	26	8	3	1	189	595
TOTALS	22	66	179	333	391	389	1563	729	368	167	42	4	189	4,442

TABLE 62

HOSPITAL INPATIENT ABORTIONS BY SITE — BY HSA AND AGE OF PATIENT
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977

HSA/SUBAREA	AGE													TOTAL
	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45	UNKNOWN	
I 1	—	—	1	2	—	1	1	2	—	—	—	—	—	7
2	—	2	—	—	2	—	3	5	4	2	1	—	—	19
3	3	3	10	6	19	8	33	9	6	5	2	—	—	104
TOTAL	3	5	11	8	21	9	37	16	10	7	3	—	—	130
II 1	—	—	—	—	—	2	4	1	4	1	—	—	—	12
2	—	—	1	3	2	2	19	13	10	3	7	—	—	60
3	NO FACILITIES			—	—	—	—	—	—	—	—	—	—	—
TOTAL	—	—	1	3	2	4	23	14	14	4	7	—	—	72
III 1	NO FACILITIES			—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	1	—	—	1	—	—	—	—	—	—	2
TOTAL	—	—	—	1	—	—	1	—	—	—	—	—	—	2
IV 1	15	26	31	40	48	57	208	118	73	35	8	—	—	659
2	—	—	—	—	—	—	1	—	1	—	1	—	—	3
3	—	—	—	—	2	—	2	4	2	3	—	—	—	13
4	—	—	1	—	—	—	—	1	2	1	1	—	—	6
5	—	—	—	—	—	—	—	—	1	—	—	—	—	1
TOTAL	15	26	32	40	50	57	211	123	79	39	10	—	—	682
V 1	—	—	—	—	—	1	1	—	—	—	—	—	—	2
2	3	1	—	—	—	2	8	3	2	—	1	—	—	20
3	—	—	—	—	—	—	—	1	—	—	—	1	—	2
4	NO FACILITIES			—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	1	—	—	—	—	—	—	1
6	—	—	—	—	—	—	—	—	3	—	—	—	—	3
7	NO FACILITIES			—	—	—	—	—	—	—	—	—	—	—
TOTAL	3	1	—	—	—	3	10	4	5	—	1	1	—	28
VI 1	—	—	—	1	—	—	5	4	2	1	1	—	—	14
2	—	—	—	—	—	1	1	3	—	2	—	—	5	12
3	—	—	—	—	—	—	—	1	1	—	—	—	—	2
4	—	—	—	—	—	1	2	2	1	1	1	—	—	8
5	—	1	—	—	—	1	—	2	1	—	—	—	—	5
TOTAL	—	1	—	1	—	3	8	12	5	4	2	—	5	41
STATE TOTALS	21	33	44	53	73	76	290	169	113	54	23	1	5	955

**HOSPITAL INPATIENT ABORTIONS BY RESIDENCE OF PATIENT — BY HSA AND AGE OF PATIENT
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1978**

HSA/SUBAREA	AGE													TOTAL
	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45	UNKNOWN	
I 1	—	—	—	1	—	—	—	1	1	—	—	—	—	3
2	—	1	—	—	3	1	4	4	6	3	1	—	—	23
3	1	1	4	1	10	2	7	10	5	2	1	—	—	44
TOTAL	1	2	4	2	13	3	11	15	12	5	2	—	—	70
II 1	—	—	2	4	3	2	8	—	5	2	1	—	—	27
2	2	—	2	4	1	4	19	14	8	1	4	—	—	59
3	—	—	1	1	3	2	6	4	3	3	3	—	—	26
TOTAL	2	—	5	9	7	8	33	18	16	6	7	—	—	112
III 1	—	1	2	2	—	3	5	1	3	—	—	—	—	17
2	—	2	3	2	1	1	4	4	2	1	—	—	—	20
3	—	—	—	1	2	1	1	—	1	1	—	—	—	7
TOTAL	—	3	5	5	3	5	10	5	6	2	—	—	—	44
IV 1	9	11	11	15	15	25	105	57	31	13	4	—	—	296
2	1	1	2	5	4	6	16	15	4	6	1	1	—	62
3	1	2	1	2	4	1	14	11	12	5	—	—	—	53
4	—	—	1	1	1	2	4	3	1	2	2	—	—	17
5	1	1	—	3	1	3	11	4	3	2	—	—	—	29
TOTAL	12	15	15	26	25	37	150	90	51	28	7	1	—	457
V 1	—	—	—	1	1	1	—	—	2	—	—	—	—	5
2	2	2	2	4	1	7	13	8	2	—	1	—	—	42
3	—	1	1	2	1	—	5	4	2	2	—	—	—	18
4	—	—	—	—	2	1	1	2	1	—	—	—	—	7
5	—	—	—	—	—	1	3	—	1	1	—	—	—	6
6	—	—	—	—	—	—	7	1	3	—	—	—	—	11
7	—	1	—	1	3	2	10	4	1	1	—	—	—	23
TOTAL	2	4	3	8	8	12	38	19	12	4	1	—	—	112
VI 1	—	—	—	1	1	—	5	6	1	1	1	—	—	16
2	—	1	—	—	1	2	6	3	2	2	—	—	—	17
3	2	1	1	—	4	2	4	3	4	1	1	—	—	23
4	1	—	—	—	—	—	1	—	1	—	—	—	—	3
5	—	2	2	—	—	—	9	5	5	2	2	—	—	27
TOTAL	3	4	3	1	6	4	25	17	13	6	4	—	—	86
OTHER STATES														
Conn.	—	1	—	—	2	—	2	—	1	1	—	—	—	7
Maine	—	3	3	1	1	—	5	1	—	1	—	—	—	15
N.H.	1	1	3	—	5	1	9	—	1	1	—	—	—	22
R.I.	—	—	—	—	—	1	3	1	—	—	—	—	—	5
Vermont	—	—	1	—	2	4	1	—	—	—	1	—	—	9
New York	—	—	—	—	—	—	1	—	1	—	—	—	—	2
Other states	—	—	1	1	—	1	1	1	—	—	—	—	—	5
Unknown	—	—	1	—	1	—	—	2	—	—	—	—	5	9
Total	1	5	9	2	11	7	22	5	3	3	1	—	5	74
STATE TOTALS	21	33	44	53	73	76	290	169	113	54	23	1	5	955

TABLE 64

**HOSPITAL OUTPATIENT ABORTIONS BY SITE — BY HSA AND AGE OF PATIENT
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977**

HSA/SUBAREA		AGE												TOTAL	
		<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45		UNKNOWN
I	1	—	—	—	—	—	1	3	1	—	—	—	—	—	5
	2	—	—	—	1	1	1	5	—	—	1	2	—	—	11
	3	2	3	2	5	12	14	51	25	12	4	1	—	—	131
	TOTAL	2	3	2	6	13	16	59	26	12	5	3	—	—	147
II	1	NO FACILITIES													
	2	NO FACILITIES													
	3	NO FACILITIES													
	TOTAL	NO FACILITIES													
III	1	—	—	—	—	—	—	1	1	1	—	—	—	—	3
	2	NO FACILITIES													
	3	—	—	—	3	2	6	11	5	6	3	—	—	—	36
	TOTAL	—	—	—	3	2	6	12	6	7	3	—	—	—	39
IV	1	4	5	5	6	11	13	34	31	18	7	4	1	4	143
	2	—	—	—	—	1	1	6	7	7	4	1	—	—	27
	3	—	—	—	—	—	1	2	5	7	1	1	1	—	18
	4	NO FACILITIES													
	5	—	—	—	—	—	—	—	1	—	—	—	—	—	1
	TOTAL	4	5	5	6	12	15	42	44	32	12	6	2	4	189
V	1	—	—	—	—	—	1	—	1	—	—	—	—	—	2
	2	NO FACILITIES													
	3	NO FACILITIES													
	4	NO FACILITIES													
	5	NO FACILITIES													
	6	—	—	—	—	—	—	—	1	—	—	—	1	—	2
	7	—	—	—	—	—	—	1	—	—	—	—	—	—	1
	TOTAL	—	—	—	—	—	1	1	2	—	—	—	1	—	5
VI	1	—	—	—	—	—	4	3	—	—	—	—	—	—	8
	2	—	—	—	1	—	1	—	3	—	1	—	—	1	7
	3	—	—	3	1	—	2	10	5	5	4	1	2	—	33
	4	—	—	—	—	1	—	—	—	—	—	—	—	—	2
	5	—	—	—	—	—	—	—	—	—	1	—	—	—	1
	TOTAL	—	—	3	2	1	7	13	8	5	6	1	2	1	49
STATE TOTALS		6	8	10	17	28	45	127	86	56	26	10	5	5	429

TABLE 65

**HOSPITAL OUTPATIENT ABORTIONS BY RESIDENCE BY HSA AND AGE OF PATIENT
2 MONTH SAMPLE
AUGUST AND SEPTEMBER 1977**

HSA/SUBAREA	AGE													TOTAL
	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-45	>45	UNKNOWN	
I 1	1	—	—	—	—	—	1	1	—	—	—	—	—	3
I 2	—	—	—	1	3	1	6	2	—	1	2	—	—	16
I 3	1	3	2	2	7	11	41	20	9	3	1	—	—	100
I TOTAL	2	3	2	3	10	12	48	23	9	4	3	—	—	119
II 1	—	—	—	—	—	1	2	1	—	1	1	—	—	6
II 2	—	—	—	1	1	—	1	1	1	1	—	—	—	6
II 3	—	—	—	—	—	1	—	1	1	—	—	—	—	3
II TOTAL	—	—	—	1	1	2	3	3	2	2	1	—	—	15
III 1	1	—	—	—	—	—	1	4	3	—	—	—	—	9
III 2	—	—	—	2	—	—	1	1	1	3	—	—	—	8
III 3	—	—	—	1	1	7	9	3	3	—	—	—	—	24
III TOTAL	1	—	—	3	1	7	11	8	7	3	—	—	—	41
IV 1	1	2	4	4	11	11	22	15	11	5	—	—	—	86
IV 2	1	1	1	1	—	2	10	9	8	4	1	—	—	38
IV 3	—	—	—	—	1	—	3	8	8	1	1	1	—	23
IV 4	—	—	—	—	—	2	—	—	—	—	1	—	—	3
IV 5	—	—	—	—	—	—	1	1	2	—	—	—	—	4
IV TOTAL	2	3	5	5	12	15	36	33	29	10	3	1	—	154
V 1	—	—	—	—	—	—	—	1	—	—	—	—	—	1
V 2	—	—	—	—	—	—	2	—	—	—	—	—	—	2
V 3	NONE	—	—	—	—	—	—	—	—	—	—	—	—	—
V 4	—	—	—	1	—	—	—	—	—	—	—	—	—	1
V 5	NONE	—	—	—	—	—	—	—	—	—	—	—	—	—
V 6	—	—	—	—	—	—	—	2	—	—	1	1	—	4
V 7	—	—	—	—	—	—	2	—	—	—	1	—	—	3
V TOTAL	—	—	—	1	—	—	4	3	1	—	1	1	—	11
VI 1	—	—	—	—	—	4	2	—	—	—	—	—	—	6
VI 2	—	—	—	1	—	1	1	2	2	2	1	—	—	10
VI 3	—	2	3	1	—	2	10	6	1	4	1	1	—	31
VI 4	—	—	—	—	1	—	—	1	—	—	—	—	—	2
VI 5	1	—	—	—	—	—	3	2	1	—	—	—	—	7
VI TOTAL	1	2	3	2	1	7	16	11	4	6	2	1	—	56
CONN.	—	—	—	2	2	2	7	3	2	1	—	—	—	19
N.H.	—	—	—	—	1	—	2	2	2	—	—	—	—	7
OTHER	—	—	—	—	—	—	—	—	—	—	—	1	—	1
UNK	—	—	—	—	—	—	—	—	—	—	—	1	—	6
TOTAL	—	—	—	2	3	2	9	5	4	1	—	2	5	33
STATE TOTALS	6	8	10	17	28	45	127	86	56	26	10	5	5	429

NURSING
AND
REST HOMES

NURSING AND REST HOMES

Nursing and rest homes in terms of beds and facilities represent the largest health resource in Massachusetts. However, because of the extended lengths of stay in these facilities, the number of persons served is considerably less than in short stay hospitals where the average bed is occupied by thirty persons during the year. The eight hundred and forty-one nursing and rest homes licensed to provide care in Massachusetts as of December 31, 1976, represent a drop of 29 facilities from the previous year. The total bed decrease was only 304 because for the most part the facilities which closed were small ones.

Licensure of nursing and rest homes in Massachusetts provides for four separate levels of care—I and II are skilled nursing care; III provides intermediate and supportive care, and IV provides for rest home care. Facilities may be licensed for a single level or multiple levels of care. State-to-state comparisons of nursing and rest home beds are difficult as no national standards exist for classifying and licensing nursing and rest homes with the exception of the federal regulations for Medicare and Medicaid certification. What are four levels of care in Massachusetts may be six or two in another state.

Medicare or Medicaid may pay for patients in Level I or II facilities. If a facility is licensed by the Department of Public Health as a Level I/II facility, it may voluntarily elect to participate in the Medicare or Medicaid program. If a facility is certified, in whole or in part, for participation in the Medicare program, its beds are then designated as Level I. These facilities or beds within facilities are then automatically certified for participation in the Medicaid program. A skilled nursing facility which is certified only for Medicaid or does not elect to participate in either program, is designated as a Level II facility. Intermediate care facilities (Level III) may be certified for Medicaid reimbursement but are not eligible for Medicare.

Level IV rest homes are not eligible for either Medicare or Medicaid reimbursement. However, almost 60% of the residents in these facilities receive Supplementary Security Income, a federal-state program which in 1974 replaced the former categorical Welfare Case Assistance, such as Old Age Assistance, Aid to the Blind and Aid to the Disabled. As of July 1, 1977, the maximum allotment to individuals receiving SSI was \$345.34. Of this amount, \$74.97 is given to the resident as a personal care allowance, leaving \$270.37, or approximately \$8.75 toward the per diem cost of the rest home. The Massachusetts Rate Setting Commission has set a maximum ceiling of \$14.00 per day for Level IV care with the average running \$11.00 to \$12.00 per day. In addition to the state share of the SSI benefit, a further state contribution is necessary to assure placement of residents in rest homes; e.g., the difference between \$8.75 and the per diem cost of the rest home up to a maximum of \$14.00 per day.

TABLE 66

**MASSACHUSETTS NURSING AND REST HOMES BY TYPE OF FACILITY
AND HEALTH SERVICE AREA-1976**

TYPE OF FACILITY	HEALTH SERVICE AREA						STATE
	I	II	III	IV	V	VI	
S.N.F. (LEVEL I/II)	11	8	0	15	7	4	45
I.C.F. (LEVEL III)	29	30	27	133	55	44	318
R.H. (LEVEL IV)	47	49	20	66	35	30	247
S.N.F./I.C.F.	19	29	17	60	31	20	176
S.N.F./R.H.	0	0	1	0	0	0	1
I.C.F./R.H.	4	6	4	14	8	2	38
S.N.F./ I.C.F./R.H.	2	4	1	7	1	1	16
TOTAL FACILITIES	112	126	70	295	137	101	841

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

FIGURE 18

NUMBER OF LICENSED BEDS PER 1,000 POPULATION (65 AND OVER)
IN MASSACHUSETTS NURSING AND REST HOMES
BY BED TYPE AND HSA, 1973 AND 1976

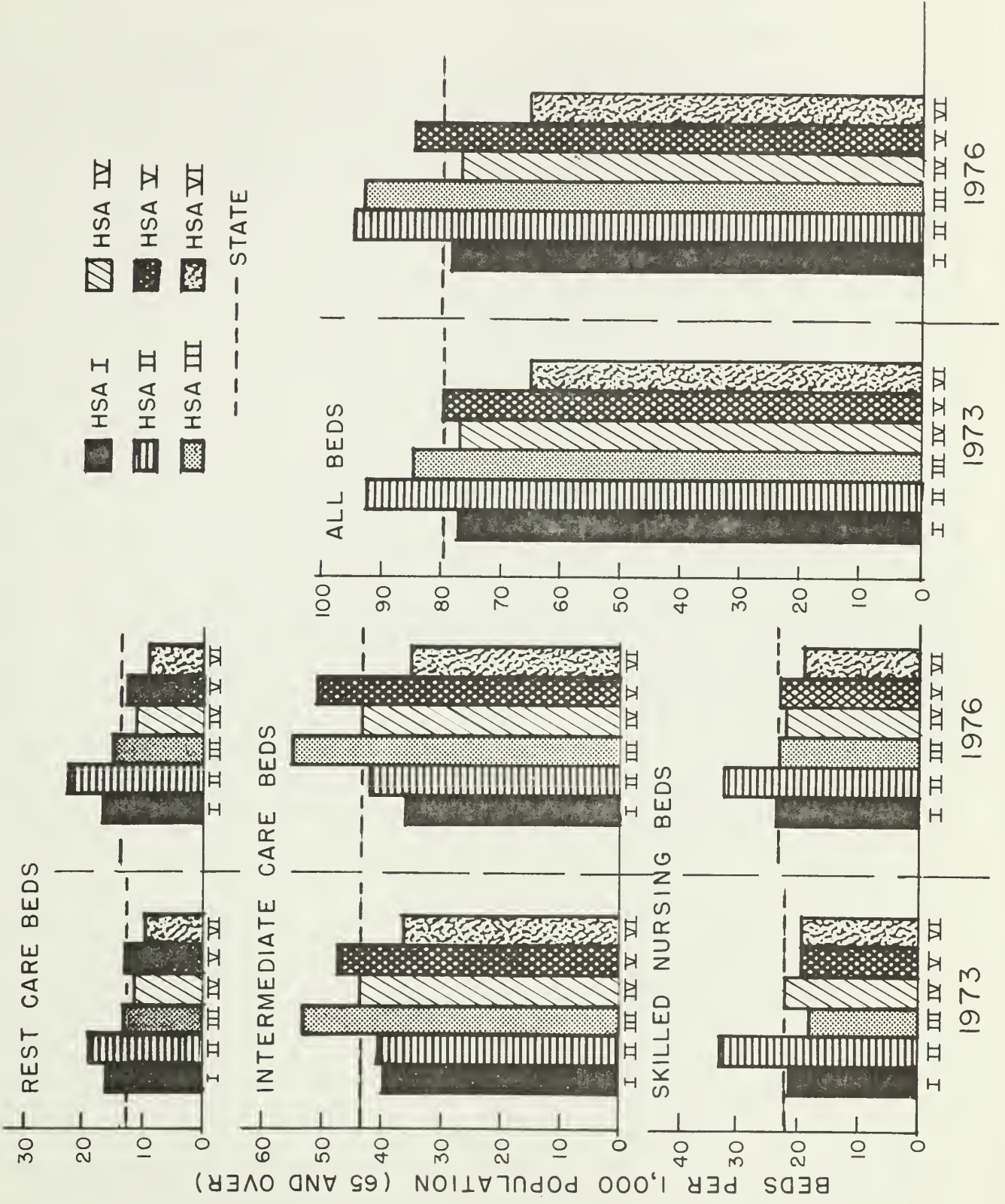


TABLE 67

**NUMBER OF LICENSED BEDS WITH RATES PER 1,000 POPULATION¹
(65 AND OVER) IN NURSING AND REST HOMES
MASSACHUSETTS HEALTH SERVICE AREAS — 1973-1976**

		SKILLED NURSING BEDS (Levels I & II)				INTERMEDIATE CARE BEDS (Level III)			
HEALTH SERVICE AREA		12/31/73 Licensed Beds	12/31/74 Licensed Beds	12/31/75 Licensed Beds	12/31/76 Licensed Beds	12/31/73 Licensed Beds	12/31/74 Licensed Beds	12/31/75 Licensed Beds	12/31/76 Licensed Beds
I	N	1,915	2,000	2,217	2,149	3,571	3,520	3,315	3,237
	R	21.3	22.2	24.7	23.9	39.7	39.1	36.9	36.0
II	N	2,417	2,393	2,352	2,386	3,018	3,110	3,014	3,072
	R	33.0	32.7	32.1	32.6	41.2	42.5	41.1	41.9
III	N	883	965	1,148	1,156	2,654	2,840	2,755	2,740
	R	17.9	19.5	23.2	23.4	53.7	57.4	55.7	55.4
IV	N	5,370	5,342	5,440	5,402	10,726	10,754	10,870	10,465
	R	21.9	21.8	22.2	22.0	43.7	43.8	44.3	42.6
V	N	1,933	2,038	2,165	2,306	4,745	4,915	5,143	5,039
	R	19.3	20.3	21.6	23.01	47.3	49.0	51.3	50.3
VI	N	1,485	1,493	1,497	1,476	2,810	2,917	2,898	2,719
	R	19.1	19.2	19.2	18.9	36.1	37.5	37.2	34.9
STATE	N	14,003	14,231	14,819	14,875	27,524	28,056	27,995	27,272
	R	22.0	22.4	23.3	23.4	43.3	44.1	44.0	42.9

¹ 1970 Population used for all years

SOURCE: Massachusetts Department of Public Health
Division of Health Care Standards and Regulation

NUMBER OF LICENSED BEDS WITH RATES PER 1,000 POPULATION¹
(65 AND OVER) IN NURSING AND REST HOMES
MASSACHUSETTS HEALTH SERVICE AREAS — 1973-1976

		REST CARE BEDS (Level IV)				ALL BEDS			
HEALTH SERVICE AREA		12/31/73 Licensed Beds	12/31/74 Licensed Beds	12/31/75 Licensed Beds	12/31/76 Licensed Beds	12/31/73 Licensed Beds	12/31/74 Licensed Beds	12/31/75 Licensed Beds	12/31/76 Licensed Beds
I	N	1,437	1,383	1,530	1,578	6,923	6,741	7,062	6,964
	R	16.0	15.4	17.0	17.6	77.0	75.0	78.5	77.4
II	N	1,345	1,487	1,598	1,655	6,780	6,990	6,964	7,113
	R	18.4	20.3	21.8	22.6	92.6	95.4	95.1	97.1
III	N	646	635	717	755	4,183	4,440	4,620	4,651
	R	13.1	12.8	14.5	15.3	84.6	89.8	93.4	94.1
IV	N	2,706	2,781	2,549	2,773	18,802	19,039	18,859	18,640
	R	11.0	11.3	10.4	11.3	76.6	77.6	76.8	75.9
V	N	1,127	1,175	1,211	1,240	7,805	8,128	8,519	8,585
	R	11.2	11.7	12.1	12.4	77.9	81.1	85.0	85.7
VI	N	760	728	726	693	5,055	5,138	5,121	4,888
	R	9.8	9.4	9.3	8.9	64.9	66.0	65.8	62.8
STATE	N	8,021	8,189	8,331	8,694	49,548	50,476	51,145	50,841
	R	12.6	12.9	13.1	13.7	77.9	79.3	80.4	80.0

¹ 1970 population used for all years.

SOURCE: Massachusetts Department of Public Health
Division of Health Care Standards and Regulation

UTILIZATION OF NURSING AND REST HOMES IN MASSACHUSETTS
BY HEALTH SERVICE AREA AND FACILITY TYPE - 1976

TYPE OF FACILITY	I		II		III		IV		V		VI		STATE	
	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE
SNF	1005	97.05	667	92.40	0	0	1156	92.48	479	93.23	279	95.31	3586	94.07
ICF	1929	96.08	1206	96.59	1440	95.48	6418	93.21	2947	92.69	1585	95.79	15525	94.20
RH	1342	91.19	1208	90.50	510	89.44	1592	82.10	926	94.28	623	77.40	6201	87.65
SNF-ICF	2174	97.32	2861	94.06	1923	96.39	6815	94.82	3374	95.07	2162	96.53	19309	95.38
SNF-RH	0	0	0	0	88	95.45	0	0	0	0	0	0	88	95.45
ICF-RH	298	87.28	530	85.85	391	95.50	1191	84.92	712	95.28	128	83.56	3250	88.78
SNF-ICF-RH	228	89.10	572	91.88	207	97.77	1244	93.23	107	97.86	100	92.89	2458	93.11
TOTAL ALL FACILITIES	6976	95.06	7044	92.93	4559	95.29	18416	92.26	8545	94.11	4877	93.36	50417	93.44

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

UTILIZATION OF NURSING AND REST HOMES IN
MASSACHUSETTS BY HEALTH SERVICE AREA AND LEVEL OF CARE, 1976

LEVEL OF CARE	I		II		III		IV		V		VI		STATE	
	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE	MEAN OPER. BEDS	OCCUP. RATE
SNF (I/II)	2156	92.86	2401	89.53	1114	97.29	5414	88.35	2261	98.71	1462	95.04	14808	92.11
ICF (III)	3264	98.98	3025	98.18	2727	95.71	10301	96.12	5081	92.07	2734	96.26	27132	95.91
LNC (III-A)	34	66.39	163	75.33	94	96.26	125	88.21	60	165.52	0	0	476	93.57
RH (IV)	1522	90.41	1455	89.58	624	89.75	2576	82.44	1143	90.35	681	78.12	8001	86.59
TOTAL ALL LEVELS	6976	95.06	7044	92.93	4559	95.29	18416	92.26	8545	94.11	4877	93.36	50417	93.44

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

TABLE 70

SOURCES OF ADMISSION TO NURSING AND REST HOMES IN MASSACHUSETTS
BY TYPE OF FACILITY -- 1976

SOURCE OF ADMISSIONS	SINGLE LEVEL ADMISSIONS						MULTI-LEVEL ADMISSIONS								TOTAL ALL LEVELS	
	SNF		ICF		RH		SNF-ICF		SNF-RH		ICF-RH		SNF-ICF-RH		NO.	%
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%		
ACUTE HOSPITALS	4432	84.9	4941	58.2	531	24.6	11312	73.0	12	23.1	539	42.4	1015	64.6	22782	66.5
PRIVATE HOMES	515	9.9	1648	19.4	805	37.4	2174	14.0	4	7.7	410	32.2	296	18.8	5852	17.1
OTHER NURSING OR REST HOMES	217	4.2	1134	13.4	381	17.7	1336	8.6	12	23.1	188	14.8	183	11.6	3451	10.1
PSYCHIATRIC HOSPITALS	11	0.2	425	5.0	321	14.9	188	1.2	18	34.6	66	5.2	14	0.9	1043	3.0
OTHER ¹	41	0.8	340	4.0	116	5.4	499	3.2	6	11.5	68	5.4	64	4.1	1134	3.3
TOTAL	5216	100.0	8488	100.0	2154	100.0	15509	100.0	52	100.0	1271	100.0	1572	100.0	34262 ²	100.0

¹ Includes chronic hospitals, facilities for the mentally retarded, and "other"

² Total is lower than the census figure because source of admission was not reported for some patients.

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

DESTINATION OF DISCHARGES FROM NURSING AND REST HOMES IN MASSACHUSETTS
BY TYPE OF FACILITY — 1976

DESTINATION OF DISCHARGES	SINGLE LEVEL ADMISSIONS						MULTI-LEVEL ADMISSIONS						TOTAL FACILITIES	
	SNF		ICF		RH		SNF-ICF		SNF-RH		ICF-RH		SNF-ICF-RH	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ACUTE HOSPITALS	1307	26.2	3810	46.1	801	37.5	5581	38.3	14	28.6	506	44.6	632	46.6
DEATHS	1276	25.6	1988	24.0	159	7.4	4331	29.7	6	12.2	223	19.6	422	31.1
PRIVATE HOMES	1984	39.8	1279	15.5	417	19.5	3291	22.6	4	8.2	190	16.7	203	14.9
OTHER NURSING OR REST HOMES	395	7.9	797	9.6	549	25.7	997	6.9	11	22.4	115	10.1	78	5.8
OTHER ¹	26	0.5	397	4.8	212	9.9	364	2.5	14	28.6	102	9.0	21	1.6
TOTAL	4988	100.0	8271	100.0	2138	100.0	14564	100.0	49	100.0	1136	100.0	1356	100.0
													32502	100.0

¹ Includes chronic and psychiatric hospitals, facilities for the mentally retarded, and other.

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

DISCHARGES BY LENGTH OF STAY AND TYPE OF FACILITY
IN MASSACHUSETTS NURSING AND REST HOMES¹ 1976

LENGTH OF STAY	SINGLE LEVEL FACILITIES						MULTI-LEVEL FACILITIES						TOTAL ALL FACILITIES			
	SNF		ICF		RH		SNF-ICF		SNF-RH		ICF-RH				SNF-ICF-RH	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
1 MONTH OR LESS	2067	41.4	1614	19.5	307	14.4	3743	25.7	7	14.3	183	16.1	255	18.8	8176	25.2
MORE THAN 1 MONTH BUT LESS THAN 6 MONTHS	1600 ¹	32.1	1946	23.5	417	19.5	4769	32.7	16	32.6	288	25.4	345	25.4	9381	28.9
6 MONTHS TO 1 YEAR	495	9.9	1049	12.7	298	13.9	1769	12.1	5	10.2	193	17.0	171	12.6	3980	12.2
1 to 2 YEARS	315	6.3	1099	13.3	307	14.4	1588	10.9	4	8.2	160	14.1	185	13.7	3658	11.2
2 to 3 YEARS	211	4.2	865	10.4	242	11.3	1090	7.5	7	14.3	113	9.9	165	12.2	2693	8.3
3 to 5 YEARS	177	3.6	800	9.7	227	10.6	925	6.4	6	12.2	75	6.6	114	8.4	2324	7.2
MORE THAN 5 YEARS	123	2.5	898	10.9	340	15.9	680	4.7	4	8.2	124	10.9	121	8.9	2290	7.0
TOTAL	4988	100.0	8271	100.0	2138	100.0	14564	100.0	49	100.0	1136	100.0	1356	100.0	32502	100.0

¹The underlined number under each type of facility is the group of patients in which the median length of stay occurs.

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

**SELECTED DISABILITIES AND CONDITIONS OF THE NURSING AND REST HOME
POPULATION IN MASSACHUSETTS-1976**

TOTAL CENSUS ¹	LEVEL I/II		LEVEL III		LEVEL IV		TOTAL	
	13626		26792		7681		48099	
DISABILITY OR CONDITION	NO.	%	NO.	%	NO.	%	NO.	%
NONAMBULATORY	6403	47.0	4244	15.8	32	0.4	10679	22.2
DIABETIC	2237	16.4	3850	14.4	617	8.0	6704	13.9
PSYCH TRANSFERS	208	1.5	2491	9.3	1609	21.0	4308	9.0
ROOM/BOARD ONLY	53	0.4	251	0.9	1770	23.0	2074	4.3
EPILEPTIC	545	4.0	964	3.6	175	2.3	1684	3.5
DEAF	476	3.5	680	2.5	82	1.1	1238	2.6
MR TRANSFERS	53	0.4	485	1.8	369	4.8	907	1.9
TERMINALLY ILL	448	3.3	413	1.5	28	0.4	889	1.8
CEREBRAL PALSY	182	1.3	154	0.6	13	0.2	349	0.7

¹Census figures are based on a one-day census taken by each facility.

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

TABLE 74

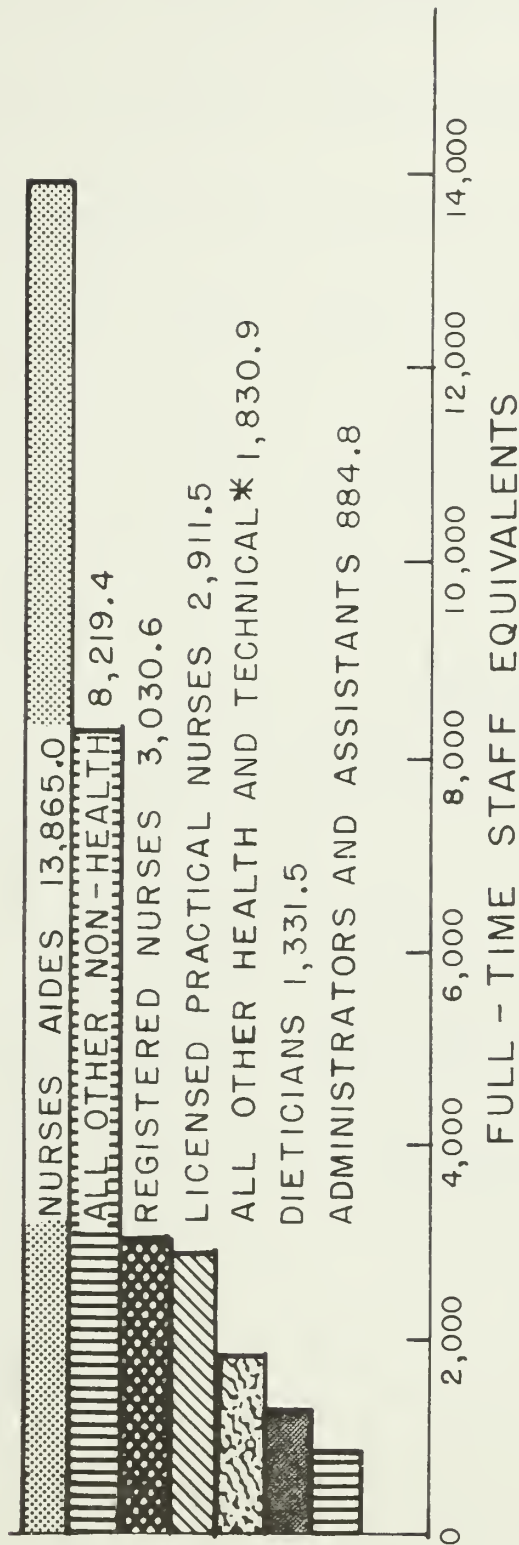
**SOURCES OF PAYMENT OF THE NURSING AND REST HOME
POPULATION IN MASSACHUSETTS BY LEVEL OF CARE-1976**

SOURCE OF PAYMENT	LEVEL I/II PATIENTS		LEVEL III PATIENTS		LEVEL IV RESIDENTS		ALL PATIENTS AND RESIDENTS	
	NO.	%	NO.	%	NO.	%	NO.	%
MEDICAID	8645	63.5	20753	77.9	381	5.0	29779	62.2
PRIVATE	3833	28.1	4910	18.4	3270	43.1	12013	25.1
SSI AND WELFARE VENDOR SUPPLEMENT	0	0	0	0	2982	39.3	2982	6.2
MEDICARE	655	4.8	0	0	0	0	655	1.4
CONTRACT	8	0.1	138	0.5	608	8.0	754	1.6
THIRD PARTY PRIV. INSURANCE	98	0.7	88	0.3	112	1.5	298	0.6
OTHER	386	2.8	765	2.9	240	3.1	1391	2.9
TOTAL	13625	100.0	26654	100.0	7593	100.0	47872 ¹	100.0

¹Total is lower than the census figure because source of payment was not reported for some patients.

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

HEALTH MANPOWER PERSONNEL IN MASSACHUSETTS NURSING AND REST HOMES, 1976
(EXPRESSED IN FULL-TIME STAFF EQUIVALENTS)



* ENLARGED VIEW OF CATEGORIES INCLUDED IN
ALL OTHER HEALTH AND TECHNICAL

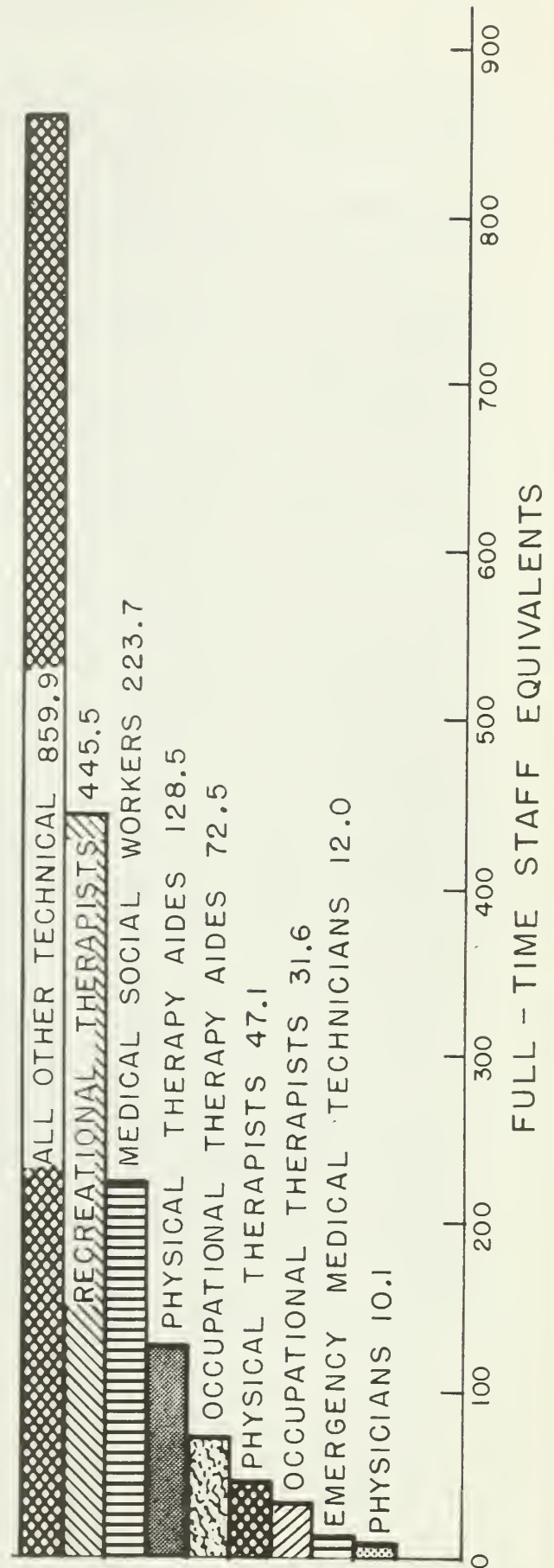


FIGURE 19

TABLE 75

**HEALTH MANPOWER PERSONNEL¹ BY TYPE OF FACILITY
MASSACHUSETTS NURSING AND REST HOMES, 1976**

	SINGLE LEVEL FACILITIES			MULTI-LEVEL FACILITIES				TOTAL ALL FACILITIES
	SNF	ICF	RH	SNF-ICF	SNF-RH	ICF-RH	SNF-ICF-RH	
REGISTERED NURSES	422.2	693.7	59.9	1582.8	4.5	104.9	162.6	3030.6
LICENSED PRACTICAL NURSES	205.7	1039.3	152.2	1171.9	3.5	172.7	166.2	2911.5
NURSING AIDES, ORDERLIES, ATTENDANTS	1369.4	3933.8	811.8	6344.7	18.4	576.6	810.3	13865.0
DIETICIANS & TECHNICIANS	89.9	499.6	108.2	485.1	0.2	81.7	66.8	1331.5
ADMINISTRATORS	52.5	307.6	225.3	231.6	1.0	46.8	20.0	884.8
RECREATIONAL THERAPISTS	35.2	151.8	27.7	187.1	2.3	18.4	23.0	445.5
MEDICAL SOCIAL WORKERS	26.0	41.7	2.0	126.3	0.8	9.0	17.9	223.7
ALL OTHER HEALTH ²	135.2	340.8	116.8	424.2	0.5	97.0	52.8	1167.3
ALL OTHER NON-HEALTH	674.2	1968.2	852.1	3575.8	24.0	526.8	598.3	8219.4
TOTAL	3010.3	8976.5	2356.0	14129.5	55.2	1633.9	1917.9	32079.3

¹Number of personnel are shown as full-time equivalents (FTE's). The number of FTE's is calculated by adding the number of full-time employees to the number obtained by dividing 40 hours into the total number of hours worked per week by part-time employees.

²Includes physicians, dentists, emergency medical technicians, occupational therapists, occupational therapists aides, pharmacists, and all other health-related personnel not listed in the table.

SOURCE: Massachusetts Department of Public Health
Nursing Home Annual Report, 1976

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISS- SIONS	DIS- CHARGES	OCCUP RATE
11	SNF	CONVAL AND NURS HOME OF DALTON ADAMS NURSING HOME SWEET BROOK NURSING HOME INC	DALTON WILLIAMSTOWN WILLIAMSTOWN	077 073 120	000 000 000	000 000 000	000 000 000	077 073 120	0054 0077 0106	0055 0083 0104	097.53 093.52 096.64
11	SNF			270	0	0	0	270	237	242	096.02
	ICF	VALLEYVIEW NURSING HOME SPRINGSIDE NURSING HOME INC NEW BOSTON NURSING HOME MAPLE VIEW NURSING HOME	LENEX PITTSFIELD SANDISFIELD WASHINGTON	000 000 000 000	140 059 047 057	000 000 000 000	000 000 000 000	140 059 047 057	0061 0049 0026 0037	0053 0051 0022 0039	097.21 089.30 097.21 095.60
11	ICF			0	303	0	0	303	173	155	095.45
	RH	REST HAVEN REST HOME ADAMS REST HOME INC BEECHWOOD REST HOME CURTIS MANOR RETIREMENT HOME MEADOW PLACE MOUNTAIN VIEW REST HOME RICHARDSON REST HOME HOMESTEAD REST HOME BERTHA M YOUNG REST HOME LA CHANCE REST HOME EDGEWOOD REST HOME WILLOW MANOR REST HOME INC	ADAMS ADAMS CHESHIRE DALTON LENEX NORTH ADAMS NORTH ADAMS PITTSFIELD PITTSFIELD PITTSFIELD PITTSFIELD	000 000 000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000 000 000	029 049 026 019 017 019 028 036 019 009 013 019	029 049 026 019 017 019 028 036 019 009 013 019	0003 0025 0008 0005 0000 0004 0005 0021 0011 0008 0001 0007	0005 0028 0007 0007 0000 0005 0009 0019 0009 0008 0004 0007	096.16 084.32 086.77 085.57 093.86 094.25 091.12 087.72 086.92 078.87 076.92 096.42
11	RH			0	0	0	0	283	98	108	088.64
	SNF-ICF	GT BARRINGTON HLTH CARE NURS PINES NURSING HOME INC WILLOWOOD NURSING RETIRE. FAC. ASHMORE MANOR NURSING HOME BERKSHIRE HILLS NRTH NUR HOME EDGECOMBE NURSING & CONV HOME ADAMS' NURSING HOME OF N ADAMS BERKSHIRE NURSING HOME, INC	GT HARRINGTON GRT BARRINGTON GT. BARRINGTON HINSDALE LEE LENEX NORTH ADAMS PITTSFIELD	038 039 082 020 043 030 040 051	068 039 044 060 030 090 041 033	000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000	0051 0030 0215 0055 0057 0108 0063 0047	0055 0033 0085 0069 0068 0110 0060 0044	094.89 097.12 081.77 097.94 096.54 095.84 096.09 097.26
11	SNF-ICF			343	405	0	0	748	626	524	094.73
	ICF-RH	BERKSHIRE PLACE	PITTSFIELD	000	009	000	029	038	0001	0001	069.62
11	ICF-RH			0	9	0	29	38	1	1	069.62
11				613	717	0	312	1642	1135	1040	093.42
12	SNF	POET SEAT NURSING HOME	GREENFIELD	064	000	000	000	064	0058	0056	097.82
12	SNF			64	0	0	0	64	58	56	097.82
	ICF	HILLSIDE NURSING HOME HAMPSHIRE MANOR NURSING HOME PARK NURSING HOME PINE REST NURSING HOME	SOUTH DEERFIELD NORTHAMPTON NORTHAMPTON NORTHAMPTON	000 000 000 000	054 043 028 048	000 000 000 000	000 000 000 000	054 043 028 048	0018 0029 0014 0012	0019 0029 0013 0013	098.56 096.54 097.66 097.51

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC TOTAL	ADMS- STONS	DIS- CHARGES	OCCUP RATE
12	ICF	ANCHORAGE NURSING HOME	SHELburne	000	032	000	000	032	0027	002A	096.47
		LABELLS NURSING HOME	SHELburne	000	032	000	000	032	0010	0018	085.02
		COZY CORNER NURSING HOME	SUNDERLAND	000	060	000	000	060	0024	0022	097.56
		SUNNY ACRES NURSING HOME	WILLIAMSBURG	000	030	000	000	030	0021	0020	093.46
12	ICF			0	327	0	0	327	155	162	095.87
	RH	AMHERST HOME FOR AGED WOMEN	AMHERST	000	000	000	006	006	0002	0000	076.35
		ASHFIELD HOUSE REST HOME	ASHFIELD	000	000	000	040	040	0010	0010	097.11
		TULLY BROOK REST HOME	ATHOL	000	000	000	009	009	0006	0006	090.05
		GLENDALE REST HOME	EASTHAMPTON	000	000	000	026	026	0029	0040	080.49
		EASTHAMPTON HME FOR AGED WOMEN	EASTHAMPTON	000	000	000	012	012	0002	0002	088.52
		BRYANT REST HOME	GREENFIELD	000	000	000	037	037	0012	0015	095.89
		HOME FOR AGED PEOPLE-FRANK CO	GREENFIELD	000	000	000	008	008	0001	0001	097.97
		TURNER REST HOME	GREENFIELD	000	000	000	008	008	0000	0000	100.00
		SHADY LAWN REST HOME	HADLEY	000	000	000	019	019	0007	0004	091.74
		FLORENCE REST HOME	NORTHAMPTON	000	000	000	026	026	0002	0002	099.70
		LATHROP HOME	NORTHAMPTON	000	000	000	040	040	0009	0006	093.64
		ROCKRIDGE / LAUREL PARK	NORTHAMPTON	000	000	000	065	065	0014	0015	090.67
		EASTERN STAR HOME	URANCE	000	000	000	014	014	0003	0004	092.00
		MOHAWK MANOR REST HOME INC	SHELburne	000	000	000	024	024	0009	0008	097.38
		COLONIAL REST HOME	HADENVILLE	000	000	000	018	018	0007	0006	097.89
12	RH			0	0	0	352	352	113	119	093.02
	SNF-ICF	AMHERST NURSING HOME	AMHERST	040	040	000	000	080	0033	003A	099.06
		FRANKLIN NURSING HOME INC	GREENFIELD	122	124	000	000	246	0131	0133	097.41
		NORTHAMPTON NURSING HOME INC	NORTHAMPTON	0A0	0A0	000	000	160	0064	0047	097.17
		PIONEER VALLEY NURSING HOME	NORTHAMPTON	041	0A3	000	000	124	0148	0129	096.46
12	SNF-ICF			2A3	327	0	0	610	376	347	097.37
	SNF-ICF-RH	FLEETWOOD NURSING HOME	ATHOL	041	041	000	044	126	0075	0077	095.07
12	SNF-ICF-RH			41	41	0	44	126	75	77	095.07
12				3A8	695	0	396	1479	777	761	095.83
13	SNF	HERITAGE HALL NURS HOME WEST	AGAWAM	164	000	000	000	164	0330	0169	096.92
		WILLIMANSETT NURSING HOME INC	CHICOPEE	085	000	000	000	085	0068	0068	098.27
		MARY LYON NURSING HOME	HAMPDEN	059	000	000	000	059	0034	0037	097.23
		CHAPEL HILL NURSING HOME INC	HOLYOKE	061	000	000	000	061	0039	0038	099.18
		HOLYOKE NURSING HOME INC	HOLYOKE	100	000	000	000	100	0071	0071	096.21
		WEST SPRINGFIELD N. H.	W SPRINGFIELD	120	000	000	000	120	0048	0056	098.44
		VALLEY VIEW NURSING HOME, INC	WESTFIELD	080	000	000	000	080	0067	0070	096.13
13	SNF			669	0	0	0	669	657	509	097.40
	ICF	BEAUTEMP NURSING HOME	CHICOPEE	000	058	000	000	058	0016	0016	099.76
		BIRCH MANOR NURSING HOME INC	CHICOPEE	000	056	000	000	056	0020	0023	098.38
		CHICOPEE NURSING HOME INC	CHICOPEE	000	038	000	000	038	0010	0011	099.45
		CHICOPEE MUNICIPAL HOME	CHICOPEE	000	074	000	000	074	0028	0031	092.24
		EAST LONGMEADOW NURSING HOME	EAST LONGMEADOW	000	079	000	000	079	0080	0072	089.90

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/11	LEV III	LEV IIIA	LEV IV	LIC TOTAL	ADMISS-IONS	DIS-CHARGES	OCCUP RATE
13	ICF	HARTNETT NURSING HOME	HOLYOKE	000	020	000	000	020	0006	0006	086.12
		OAK MANOR NURSING HOME	HOLYOKE	000	060	000	000	060	0028	0024	097.88
		MOUNTAIN VIEW NURSING HOME	MUNTINGOMERY	000	030	000	000	030	0007	0007	098.88
		PALMER HSE HLTH CARE NURS HOME	PALMER	000	061	000	000	061	0043	0042	094.99
		FALLS NURSING HOME	SOUTH HADLEY	000	046	000	000	046	0018	0018	099.76
		RING NURSING HOME RIDGEWOOD	SPRINGFIELD	000	126	000	000	126	0095	0097	098.19
		PINE MANOR NURSING HOME	SPRINGFIELD	000	101	000	000	101	0047	0048	097.82
		SPRUCE MANOR NURSING HOME	SPRINGFIELD	000	150	000	000	150	0086	0083	097.00
		GERT CARE NURSING HOME SPFLD	SPRINGFIELD	000	172	000	000	172	0109	0108	094.46
		RING NURSING HOME SOUTH	SPRINGFIELD	000	110	000	000	110	0151	0146	095.30
		RIVERDALE GARDENS NURSING HOME	W SPRINGFIELD	000	084	000	000	084	0066	0064	095.88
		WESTFIELD NURSING HOME	WESTFIELD	000	037	000	000	037	0012	0013	099.30
13	ICF			0	1302	0	0	1302	822	809	096.28
RH		KELLEY REST HOME	AGAWAM	000	000	000	010	010	0007	0006	072.60
		REAVEN KELLY HOME	HOLYOKE	000	000	000	055	055	0016	0019	090.56
		LUOMIS HOUSE INC	HOLYOKE	000	000	000	029	029	0003	0005	078.33
		BUCKWELL REST HOME	MUNSON	000	000	000	017	017	0002	0002	099.23
		CAMBELL'S INGERSOLL WEST HOME	SPRINGFIELD	000	000	000	036	036	0025	0019	090.17
		MAPLE HILL REST HOME INC	SPRINGFIELD	000	000	000	032	032	0009	0008	092.56
		STONE ACRE REST HOME INC	SPRINGFIELD	000	000	000	026	026	0010	0009	095.04
		BEECH MANOR REST HOME	SPRINGFIELD	000	000	000	012	012	0001	0003	094.16
		BLUE SPRUCE REST HOME	SPRINGFIELD	000	000	000	019	019	0004	0003	094.68
		HODGES REST HOME	SPRINGFIELD	000	000	000	014	014	0001	0001	092.85
		HILLTOP REST HOME	SPRINGFIELD	000	000	000	019	019	0003	0003	098.99
		HURSTDALE REST HOME	SPRINGFIELD	000	000	000	015	015	0000	0000	100.00
		IVY MANOR REST HOME	SPRINGFIELD	000	000	000	012	012	0000	0000	100.00
		MASON HALL	SPRINGFIELD	000	000	000	020	020	0003	0007	039.14
		HAHN REST HOME	SPRINGFIELD	000	000	000	013	013	0004	0004	078.95
		RENQ'S REST HOME	SPRINGFIELD	000	000	000	018	018	0000	0000	100.27
		ST LUKES HOME	SPRINGFIELD	000	000	000	092	092	0034	0030	092.74
		ELDERCARE OF SPRINGFIELD INC	SPRINGFIELD	000	000	000	160	160	0032	0028	096.07
		RING REST HOME	SPRINGFIELD	000	000	000	017	017	0014	0010	097.77
		BELMONT REST HOME	SPRINGFIELD	000	000	000	016	016	0004	0005	094.38
		BARNARD REST HOME	WESTFIELD	000	000	000	084	084	0053	0068	091.54
13	RH			0	0	0	0	0	225	230	091.28
SNF-ICF		HERITAGE HALL NURS HOME-SOUTH	AGAWAM	082	040	000	000	122	0130	0131	096.90
		MUNICIPAL NURSING HOME	HOLYOKE	079	031	000	000	110	0006	0029	096.87
		MOUNT SAINT VINCENT	HOLYOKE	042	069	000	000	111	0075	0070	097.12
		BROOKWOOD COURT NURSING HOME	HOLYOKE	082	082	000	000	164	0011	0009	097.87
		JEWISH NURS HOME OF WESTERN MA	LONGMEADOW	120	040	000	000	160	0051	0049	099.34
		RIDGEVIEW NURSING HOME	SPRINGFIELD	080	080	000	000	160	0067	0134	097.83
		WESTFIELD MANOR NURS HOME	WESTFIELD	042	060	000	000	102	0057	0052	098.74
13	SNF-ICF			527	402	0	0	929	397	474	097.89
ICF-RH		HERITAGE HALL RET./NURS HOME	AGAWAM	000	062	000	062	124	0113	0110	096.51
		ELMS MANOR NURSING HOME	CHICOPEE	000	056	000	032	088	0029	0030	096.54
		CHESTNUT KNOLL	SPRINGFIELD	000	013	000	035	048	0000	0004	060.45

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I	LEV II	LEV III	LEV IIIA	LEV IV	LIC TOTAL	ADMISS	DIS-CHARGES	OCCUP RATE
13	ICF-RH			0	131	0	129	0	260	142	144	089.86
13	SNF-ICF-RH	HUCKLEBY NURSING & RETIR HOME	HOLYOKE	034	034	034	000	000	102	0079	0064	081.73
13	SNF-ICF-RH			34	34	34	0	0	102	79	64	081.73
13				1230	1869	34	845		3978	2322	2230	095.16
21	SNF	MT ELAM NURSING HOME	FITCHBURG	098	000	000	000	000	098	0096	0097	097.72
		MUNTRATH OF GROTON NURS HOME	GROTON	076	000	000	000	000	076	0037	0027	094.33
		KEYSTONE NURSING HOME INC	LEOMINSTER	106	000	000	000	000	106	0087	0086	097.05
21	SNF			280	0	0	0	0	280	220	210	096.65
ICF		LAKEVIEW NURSING HOME	CLINTON	000	000	000	000	000	080	0053	0056	093.37
		PARKER HILL NURSING HOME	GARDNER	000	095	000	000	000	095	0046	0051	097.42
		HALE CONVAL AND NURSING HOME	WEST GROTON	000	036	000	000	000	036	0008	0008	099.83
		HILLTOP NURSING & CONVAL HOME	GILBERTVILLE	000	022	000	000	000	022	0006	0003	098.13
		FREFMAN NURSING HOME	PEPPERELL	000	020	000	000	000	020	0004	0004	098.73
		PARK MANOR NURSING HOME INC	PEPPERELL	000	032	000	000	000	032	0019	0019	095.10
		RAIDMINVILLE NURSING HOME	BALDWINVILLE	000	023	000	000	000	023	0009	0010	099.31
		OPEN ARMS NURSING HOME	WINCHENDON	000	039	000	000	000	039	0019	0019	099.59
		PLEASANT VIEW CONVAL CTRS INC	WINCHENDON	000	019	000	000	000	019	0008	0008	099.83
21	ICF			0	366	0	0	0	366	172	178	097.16
RH		HOME REST HOME	ASHBURNHAM	000	000	000	017	017	017	0005	0005	098.82
		OJAS REST HOME	ASHBURNHAM	000	000	000	016	016	016	0009	0006	092.00
		SHADY GLADE REST HOME INC	AYER	000	000	000	017	017	017	0006	0004	088.04
		CLINTON HOME FOR AGED PEOPLE	CLINTON	000	000	000	012	012	012	0002	0001	080.39
		FERGUSON REST HOME	CLINTON	000	000	000	017	017	017	0008	0008	095.99
		COLLINS REST HOME, INC	ASHBURNHAM	000	000	000	020	020	020	0009	0007	098.38
		MAGNOLIA REST HOME	FITCHBURG	000	000	000	016	016	016	0008	0005	098.84
		WRIGHT REST HOME, INC.	FITCHBURG	000	000	000	028	028	028	0019	0030	090.52
		HILLTOP REST HOME	FITCHBURG	000	000	000	028	028	028	0035	0037	092.20
		ABUNDANT REST HOME	FITCHBURG	000	000	000	021	021	021	0004	0005	087.00
		CEDAR STREET HOME	FITCHBURG	000	000	000	022	022	022	0001	0002	095.53
		GRAND VIEW REST HOME	FITCHBURG	000	000	000	021	021	021	0001	0002	084.84
		NEW BUNKER REST HOME	FITCHBURG	000	000	000	017	017	017	0002	0001	098.08
		HIGH STREET REST HOME	FITCHBURG	000	000	000	018	018	018	0007	0002	100.27
		GALLANT REST HOME	GARDNER	000	000	000	013	013	013	0005	0005	096.27
		FAIRMOUNT REST HOME	LEOMINSTER	000	000	000	020	020	020	0015	0014	095.47
		LEOMINSTER HOME FOR OLD LADIES	LEOMINSTER	000	000	000	011	011	011	0004	0003	049.71
		HOMESTEAD REST HOME	LEOMINSTER	000	000	000	021	021	021	0006	0004	091.69
		VILLAGE REST HOME	LEOMINSTER	000	000	000	023	023	023	0006	0002	079.55
		SPRUCE MANOR REST HOME	WESTMINSTER	000	000	000	012	012	012	0004	0002	095.25
		HILLSIDE REST HOME	WINCHENDON	000	000	000	018	018	018	0008	0008	098.20
21	RH			0	0	0	0	0	388	164	153	090.09
SNF-ICF		HILLCREST NURSING HOME	FITCHBURG	069	027	000	000	000	096	0046	0032	098.27
		GARDNER MANOR NURSING HOME	GARDNER	038	036	000	000	000	074	0042	0041	097.93
		EASTWOOD PINES NURSING HOME	GARDNER	078	050	000	000	000	128	0085	0086	095.94

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMIS-SIONS	DIS-CHARGES	OCCUP RATE
21	SNF-ICF	RIVER TERRACE HEALTHCARE NH FAIRLAWN NURSING HOME INC	LANCASTER LEOMINSTER	041 081	041 040	000 000	000 000	082 121	0057 0055	0023 0054	098.45 098.00
21	SNF-ICF			307	194	0	0	501	285	236	097.64
	ICF-RH	WOODFORD OF AYER	AYER	000	038	000	023	061	0069	0039	093.82
21	ICF-RH			0	38	0	23	61	69	39	094.33
	SNF-ICF-RH	BIRCHWOOD MANOR NURSING HOME	FITCHBURG	040	080	040	000	160	0153	0144	094.76
21	SNF-ICF-RH			40	80	40	0	160	153	144	094.76
21				627	678	40	411	1756	1063	960	094.63
22	SNF	KNOLLWOOD NURSING HOME INC WAYSIDE NURSING HOME PEOPLE'S CHURCH N.H. SOUTH	WORCESTER WORCESTER WORCESTER	070 069 156	000 000 000	000 000 000	000 000 000	070 069 156	0056 0062 0553	0053 0064 0548	093.53 073.99 090.69
22	SNF			295	0	0	0	295	671	665	087.46
	ICF	STONE HOUSE HILL NURSING HOME ARMSTRONG NURSING HOME REECHAVEN NURSING HOME CASTLE PARK NURSING HOME ELMWOOD MANOR NURSING HOME EVANS MANOR NURSING HOME HAMMOND HOUSE CONV HOME HARVARD NURSING HOME INC HILLTOP NURSING HOME INC KENWOOD CONVAL AND NURS HOME MAPLE HALL NURSING HOME INC PARK HILL MANOR NURSING HOME	HOLDEN WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER	000 000 000 000 000 000 000 000 000 000 000 000	053 017 000 021 030 031 020 070 044 028 028 058 101	000 000 000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000 000 000	053 017 021 030 031 020 070 044 028 028 058 101	0021 0012 0013 0008 0011 0026 0017 0032 0009 0014 0020 0062	0021 0011 0012 0011 0011 0026 0016 0029 0007 0014 0020 0065	094.96 097.08 088.70 099.22 096.24 091.37 098.27 097.80 092.24 095.00 098.55 097.11
22	ICF			0	501	0	0	501	245	243	096.43
	RH	MEADOWBROOK MANOR NEWTON MANOR REST HOME REVERLY REST HOME BURNCOAT PLAINS REST HOME CATHERINE REST HOME DALTON REST HOME CORP GIUSTO REST HOME HIGHLAND MANOR REST HOME GODDARD HOUSE HOME AGED MEN KNOX REST HOME LINDA LEE REST HOME HOMESTEAD HALL ROSELAWN MANOR REST HOME SAINT FRANCIS HOME SCHUSSLER REST HOME SMITHS REST HOME DODGE PARK REST HOME	WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER	000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000	027 025 010 035 026 034 012 032 032 010 011 026 012 085 025 027 032	027 025 010 035 026 034 012 032 032 010 011 026 012 085 025 032	0008 0017 0002 0009 0006 0018 0002 0012 0010 0002 0001 0002 0012 0005 0036 0005 0003 0023	0005 0017 0001 0010 0008 0020 0004 0010 0009 0001 0002 0012 0005 0034 0006 0003 0024	098.94 095.13 070.41 097.34 098.44 098.83 083.68 090.76 095.04 076.16 066.13 094.90 069.45 092.11 092.00 099.61 091.47	

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV 1/11	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISS- SIONS	DIS- CHARGES	OCCUP RATE
22	RH	WINTER HILL REST HOME	WORCESTER	000	000	000	015	0003	0004	097.56	
		ANN MARIA REST HOME	WORCESTER	000	000	000	064	0062	0061	095.36	
		DUNNA KAY REST HOME	WORCESTER	000	000	000	060	0050	0060	094.32	
		CATHERINE WINDSUR REST HOME	WORCESTER	000	000	000	034	0015	0012	095.72	
22	RH			0	0	0	634	301	30A	093.07	
SNF-ICF		HOLDEN NURSING HOME INC	HOLDEN	040	048	000	000	088	0141	0143	095.46
		SHREWSBURY NURSING HOME	SHREWSHURY	082	041	000	000	123	0117	0126	096.23
		OAKDALE NURSING HOME INC	IAKDALE	040	000	000	000	080	0017	0017	099.54
		CLARK MANOR NURSING HOME	WORCESTER	096	066	000	000	162	0097	0090	096.19
		HERMITAGE NURSING HOME	WORCESTER	072	028	000	000	100	0107	0111	090.62
		LINCOLN NURSING HOME	WORCESTER	082	058	000	000	140	0307	0293	092.86
		LUTHERAN HOME FOR THE AGED	WORCESTER	028	030	000	000	058	0026	0024	097.95
		MILL HILL NURSING HOME INC	WORCESTER	040	062	000	000	102	0099	0100	097.27
		BANCROFT HOUSE HEALTHCARE N.H	WORCESTER	030	090	000	000	120	0073	0065	093.19
		SPRING VALLEY CONV HOME	WORCESTER	041	041	000	000	082	0034	0034	095.28
		WEST SIDE NURSING HOME	WORCESTER	043	048	000	000	091	0030	0026	097.66
		WORCESTER NURSING HOME	WORCESTER	038	038	000	000	076	0043	0043	098.32
		PEOPLE'S CHURCH NURS HOME FAST	WORCESTER	080	040	000	000	120	0185	0148	095.75
		HEYWOOD VALLEY NURSING HOME	WORCESTER	077	080	000	000	157	0085	0083	076.72
		PEOPLES CHURCH NURS HOME WEST	WORCESTER	080	080	000	000	160	0148	0148	094.87
22	SNF-ICF			869	790	0	0	1659	1509	1451	092.75
ICF-RH		ODD FELLOWS HOME OF MASS	WORCESTER	000	033	000	03A	071	0013	0021	065.08
		HOMF FOR AGED WOMEN	WORCESTER	000	012	000	036	048	0009	0010	079.43
22	ICF-RH			0	45	0	74	119	22	31	070.98
SNF-ICF-RH		JEWISH HOME FOR AGED-WORCESTER	WORCESTER	041	060	031	000	132	0061	0030	090.13
		BELMONT HOME	WORCESTER	040	107	040	000	187	0047	0050	090.64
22	SNF-ICF-RH			81	167	71	0	319	108	80	090.18
22				1245	1503	71	708	3527	2856	2778	091.99
23	SNF	CLAFLIN HHOUSE NURSING HOME	MILFORD	061	000	000	000	061	0046	0042	094.66
		COVENTRY HALL NURSING HOME	SPENCER	032	000	000	000	032	0023	0024	096.66
23	SNF			93	0	0	0	93	69	66	095.35
ICF		BLACKSTONE NURSING HOME INC	BLACKSTONE	000	033	000	000	033	0013	0014	096.36
		BEN FRANKLIN NURSING HOME INC	FRANKLIN	000	018	000	000	018	0024	0024	091.61
		CRESCENT MANOR NURSING HOME	GRAFTON	000	062	000	000	062	0012	0012	097.93
		EDGEWOOD NURSING HOME	NO. GRAFTON	000	036	000	000	036	0001	0001	100.00
		MARYLAND NURSING HOME	MEDWAY	000	032	000	000	032	0014	0013	098.54
		PINE GROVE VILLA NURSING HOME	MILLBURY	000	041	000	000	041	0003	0004	099.99
		CULLEN'S NURSING HOME	MILLVILLE	000	025	000	000	025	0019	0014	094.63
		KNOWLTON MANOR NURSING HOME	W UPTON	000	037	000	000	037	0006	0006	100.27
		WEBSTER NURSING HOME	WEBSTER	000	051	000	000	051	0008	0010	099.00
23	ICF			0	335	0	0	335	100	98	096.21

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I	LEV II	LEV III	LEV IIIA	LEV IV	LIC TOTAL	ADMISS-IONS	DIS-CHARGES	NCUP RATE
23	RH	CHARLTON MANOR REST HOME	CHARLTON	000	000	000	000	035	0008	0006	095.75	
		MARY MILNER REST HOME	MILFORD	000	000	000	027	027	0003	0004	097.45	
		LINDOLN HILL MANOR REST HOME	SPENCER	000	000	000	030	030	0017	0016	071.00	
		SUNNYSIDE REST HOME	UXBRIDGE	000	000	000	023	023	0002	0003	091.42	
		BROOK HAVEN REST HOME	WEST BROOKFIELD	000	000	000	022	022	0010	0011	089.73	
		WESTBROOK HEIGHTS REST HOME	WEST BROOKFIELD	000	000	000	026	026	0001	0001	100.00	
23	RH			0	0	0	0	163	41	41	090.59	
	SNF-ICF	QUARANT NURSING HOME	WEST BROOKFIELD	083	051	000	000	134	0065	0066	096.85	
		FRANKLIN HOUSE HEALTHCARE NH	FRANKLIN	041	041	000	000	082	0047	0040	096.91	
		KEITH HILL NURSING HOME INC	GRAFTON	022	023	000	000	045	0023	0025	095.71	
		HUPEDALE GARDEN NURSING HOME	HUPEDALE	036	033	000	000	069	0093	0089	094.90	
		MILFORD PMI	MILFORD	030	030	000	000	060	0030	0013	096.87	
		SMITH NURSING HOME INC	MILLBURY	023	017	000	000	040	0026	0026	096.42	
		SANDALWOOD CONVALESCENT HOME	OXFORD	024	052	000	000	076	0020	0020	099.35	
		LIBERTY HOUSE NURSING HOME	SOUTHBURIDGE	082	060	000	000	142	0248	0104	069.16	
		NAKWOOD CONVALESCENT HOME	WEHSTER	040	040	000	000	080	0040	0020	098.92	
23	SNF-ICF			341	347	0	0	728	592	403	094.59	
	ICF-RH	NORTHBURIDGE NURSING & RET HOME	NORTHBURIDGE	000	060	060	000	120	0114	0089	093.83	
		MASONIC HOME	CHARLTON	000	061	000	121	182	0021	0024	085.17	
		PAKLEDGE MANOR NURSING HOME	HUPEDALE	000	028	000	028	056	0011	0011	098.42	
23	ICF-RH			0	149	60	149	358	146	124	089.60	
	SNF-ICF-RH	BEAUMONT NURSING HOME	NORTHBURIDGE	040	060	000	026	126	0148	0078	092.45	
23	SNF-ICF-RH			40	60	0	26	126	148	78	092.49	
23				514	891	60	338	1803	1096	810	093.43	
31	ICF	SIMMONS NURSING HOME, INC.	BILLERICA	000	040	000	000	040	0025	0022	098.49	
		COUNTRY VIEW NURSING HOME	BILLERICA	000	117	000	000	117	0100	0093	086.01	
		BAY STATE REHAB. & NCF	BILLERICA	000	080	000	000	080	0017	0017	099.37	
		ALPINE NURSING HOME, INC.	CHELMSFORD	000	025	000	000	025	0016	0016	097.86	
		PALM MANOR NURSING HOME, INC.	CHELMSFORD	000	118	000	000	118	0080	0072	093.84	
		SUNNY ACRES NURSING HOME	CHELMSFORD	000	038	000	000	038	0043	0039	095.64	
		CHENEY ALLARD NURSING HOME	LOWELL	000	016	000	000	016	0002	0002	098.10	
		COLONIAL NURSING HOME	LOWELL	000	022	000	000	022	0006	0007	086.82	
		GLENWOOD MANOR CONV. HOME	LOWELL	000	101	000	000	101	0071	0062	096.04	
		TOWN AND COUNTRY NURSING HOME	LOWELL	000	050	000	000	050	0024	0022	099.41	
		CASTLE NURSING HOME	TEWKSBURY	000	026	000	000	026	0011	0011	099.97	
		WESTFORD NURSING HOME INC.	WESTFORD	000	061	000	000	061	0036	0037	096.21	
31	ICF			0	694	0	0	694	431	400	094.31	
	RH	SERENITY REST HOME INC.	NO. CHELMSFORD	000	000	000	021	021	0007	0007	082.13	
		MERRIMACK VALLEY RETIR. FAC.	LOWELL	000	000	000	019	019	0016	0016	098.24	
		PRINCETON HOUSE REST HOME	LOWELL	000	000	000	058	058	0041	0047	091.30	
		THE BATTLES HOME	LOWELL	000	000	000	012	012	0004	0005	082.60	

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMS- SIGNS	DIS- CHARGES	OCCUP RATE
31	RH	HORN HOME FOR AGED RIVER VALLEY HOUSE HEDSTROM REST HOME	LOWELL LOWELL TEWKSBURY	000 000 000	000 000 000	000 000 000	014 024 017	014 024 017	0002 0004 0004	0002 0008 0004	066.68 062.68 100.00
31	RH			0	0	0	165	165	78	89	085.58
	SNF-ICF	WILLOW MANOR NURSING HOME CHRISTIAN HILL CONVAL HOME ARCADIA NURSING HOME CASA GRANDE LONG TERM CARE FAC	LOWELL LOWELL LOWELL TEWKSBURY	042 080 080 080	042 080 060 060	000 000 000 000	000 000 000 000	084 160 140 120	0083 0125 0184 0120	0081 0117 0045 0115	091.23 098.81 087.98 096.75
31	SNF-ICF			282	222	0	0	504	512	358	096.70
	ICF-RH	FAIRHAVEN NURSING HOME	LOWELL	000	101	060	000	161	0054	0052	098.19
31	ICF-RH			0	101	60	0	161	54	52	098.19
	SNF-ICF-RH	D'YOUNVILLE MANOR INC.	LOWELL	042	153	000	012	207	0063	0065	097.77
31	SNF-ICF-RH			42	153	0	12	207	63	65	097.77
31				324	1170	60	177	1731	1138	964	095.56
32	ICF	ACADEMY NURSING HOME RANDOLPH NURSING HOME PLENWOOD NURSING HOME MCGOWAN NURSING HOME SHADY KNOLL NURSING HOME	ANDOVER ANDOVER METHUEN METHUEN NORTH ANDOVER	000 000 000 000 000	087 017 039 041 047	000 000 000 000 000	000 000 000 000 000	087 017 039 041 047	0033 0009 0015 0016 0023	0030 0008 0011 0018 0017	097.19 095.13 095.40 097.81 095.90
32	ICF			0	231	0	0	231	96	84	096.56
	RH	GERMAN OLD FOLKS HOME INC LAMPLIGHTER REST HOME HALCYON REST HOME NORTH ANDOVER REST HOME	LAWRENCE LAWRENCE METHUEN NORTH ANDOVER	000 000 000 000	000 000 000 000	000 000 000 000	031 130 022 012	031 130 022 012	0010 0036 0013 0002	0004 0035 0013 0004	097.14 097.56 083.92 024.69
32	RH			0	0	0	195	195	61	56	090.50
	SNF-ICF	ANLAW NURSING HOME WINFIELD HOUSE CONV. HOME TOWN MANOR NURSING HOME CORP MARY IMMACULATE NURSING HOME BROADWAY CONVALESCENT HOME WOODLAND NURSING HOME STEVENS HALL CONVALESCENT HOME	LAWRENCE LAWRENCE LAWRENCE LAWRENCE METHUEN METHUEN NORTH ANDOVER	045 046 054 208 025 040 082	046 049 060 042 032 062 040	000 000 000 000 000 000 000	000 000 000 000 000 000 000	091 095 114 250 057 102 122	0081 0039 0113 0311 0019 0063 0106	0086 0034 0108 0308 0027 0054 0106	098.30 098.20 096.67 099.50 085.96 093.59 099.09
32	SNF-ICF			500	331	0	0	831	732	723	097.12
	ICF-RH	LAWRENCE HOME FOR AGED PEOPLE HENRY C. NEVINS HOME, INC.	LAWRENCE METHUEN	000 000	005 055	000 000	023 027	028 082	0000 0044	0002 0039	079.59 097.30
32	ICF-RH			0	60	0	50	110	44	41	092.02

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IV	LEV V	LIC BEDS TOTAL	ADMIS- SIONS	DIS- CHARGES	OCCUP RATE
32				500	622	0	245	1367	933	904	095.68
33	ICF	HILLSIDE NURSING HOME	AMESBURY	000	026	000	000	026	0006	0006	099.04
		KENOA HILLCREST NURSING HOME	HAVERHILL	000	021	000	000	021	0014	0012	099.49
		LENOX NURSING HOME	HAVERHILL	000	027	000	000	027	0017	0017	095.11
		BAKER-KATZKNURSINGSHOME	HAVERHILL	000	077	000	000	077	0080	0073	096.59
		GLYNN MEMORIAL HOME	HAVERHILL	000	048	000	000	048	0014	0014	099.65
		KENOZA MANOR CONVALESCENT HOME	HAVERHILL	000	060	000	000	060	0048	0047	097.63
		BRIGHAM MANOR CONVAL HOME	NEWBURYPORT	000	065	000	000	065	0044	0041	094.21
		WORCESTER PARK NURSING HOME	NEWBURYPORT	000	068	000	000	068	0018	0013	092.74
		SEA VIEW NURSING HOME	ROWLEY	000	061	000	000	061	0017	0012	098.20
		GREENLEAF HOUSE NURSING HOME	SALISBURY	000	060	000	000	060	0032	0032	096.78
33	ICF			0	513	0	0	513	290	267	096.57
	RH	NORTH EASTWOOD REST HOME	AMESBURY	000	000	000	016	016	0002	0003	098.27
		EAST WOOD REST HOME INC	AMESBURY	000	000	000	029	029	0012	0013	097.51
		PARKSIDE REST HOME	AMESBURY	000	000	000	023	023	0010	0008	092.91
		CHURCH REST HOME	HAVERHILL	000	000	000	022	022	0003	0003	099.64
		GRIFFIN WHITE HOME	HAVERHILL	000	000	000	017	017	0005	0007	075.24
		STEVENS BENNETT HOME, INC.	HAVERHILL	000	000	000	028	028	0007	0008	084.56
		SCOTT'S REST HOME	HAVERHILL	000	000	000	010	010	0006	0004	066.08
		NEWBURYPORT SOCIETY-AGED MEN	NEWBURYPORT	000	000	000	009	009	0003	0003	095.28
		NEWBURYPORT SOCIETY-AGED WOMEN	NEWBURYPORT	000	000	000	010	010	0001	0000	100.00
33	RH			0	0	0	164	164	49	49	092.03
	SNF-ICF	MAPLEWOOD MANOR NURSING HOME	AMESBURY	060	060	000	000	120	0122	0115	095.93
		HAVERHILL MANOR NURSING HOME	HAVERHILL	048	053	000	000	101	0058	0057	097.81
		HAVOLYN NURSING HOME	HAVERHILL	040	040	000	000	080	0044	0038	098.29
		OXFORD MANOR NURSING HOME	HAVERHILL	060	060	000	000	120	0129	0124	095.85
		UNION MISSION NURSING HOME INC	HAVERHILL	060	060	000	000	120	0051	0052	097.73
		COUNTRY MANOR CONVAL HOME	NEWBURYPORT	041	082	000	000	123	0086	0032	092.91
33	SNF-ICF			309	355	0	0	664	490	418	096.25
	SNF-RH	KENOZA NURSING HOME	HAVERHILL	023	000	000	065	088	0052	0049	095.45
33	SNF-RH			23	0	0	65	88	52	49	095.45
	ICF-RH	AMESBURY NURS. AND RETIR. HOME	AMESBURY	000	080	044	000	124	0089	0069	095.06
33	ICF-RH			0	80	44	0	124	89	69	095.08
33				332	948	44	229	1553	970	852	095.79
41	SNF	BOSTON HOME INC	BOSTON	042	000	000	000	042	0009	0008	097.69
		FRANK WOOD CONVALESCENT HOME	MATTAPAN	058	000	000	000	058	0285	0265	074.81
		RECUOPERATIVE CENTER	BOSTON	050	000	000	000	050	0752	0744	081.06
		RIVERSIDE NURSING HOME	MATTAPAN	085	000	000	000	085	0068	0072	094.78
		PARK-MARION NURSING INC	BROOKLINE	120	000	000	000	120	0156	0157	092.26
41	SNF			355	0	0	0	355	1270	1246	089.08

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN	ADD.	LEV I	LEV II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISS	DIS-CHARGES	OCCUP RATE
41	ICF	ALLSTON NURSING HOME	BOSTON		000	150	000	000	000	150	0100	0094	097.57
		ALMEIDA NURSING HOME	JAMAICA PLAIN		000	034	000	000	000	034	0005	0004	098.64
		ARMENIAN NURSING HOME	BOSTON		000	062	000	000	000	062	0027	0026	097.78
		AUBURN HOUSE NURSING HOME	JAMAICA PLAIN		000	074	000	000	000	074	0097	0090	096.02
		BANCROFT NURSING HOME	BOSTON		000	031	000	000	000	031	0012	0011	098.59
		BAYHAVEN NURSING HOME	HOSTON		000	077	000	000	000	077	0026	0022	097.80
		BIRCH HAVEN NURSING HOME	HOSTON		000	143	000	000	000	143	0079	0079	098.75
		BOWDOIN NURSING HOME	HOSTON		000	044	000	000	000	044	0010	0016	097.72
		BRADLEY NURSING HOME INC	JAMAICA PLAIN		000	076	000	000	000	076	0032	0033	098.50
		CARVER MANOR NURSING HOME	BOSTON		000	027	000	000	000	027	0025	0023	095.45
		CENTRE MANOR NURSING HOME	HOSTON		000	107	000	000	000	107	0033	0052	096.71
		CHESTNUT HILL NURSING HOME	HOSTON		000	084	000	000	000	084	0066	0066	095.69
		CIRCLE MANOR NURSING HOME	HOSTON		000	048	000	000	000	048	0006	0006	093.23
		PROVIDENT NURSING HOME	BOSTON		000	066	000	000	000	066	0041	0039	098.62
		CRESCENT NURSING HOME INC	HOSTON		000	146	000	000	000	146	0047	0080	096.00
		CUSHING MANOR NURSING HOME	HOSTON		000	033	000	000	000	033	0006	0006	099.26
		DENNIS NURSING HOME	DORCHESTER		000	052	000	000	000	052	0023	0070	082.04
		DUPLEX NURSING HOME	JAMAICA PLAIN		000	053	000	000	000	053	0031	0029	095.18
		ELM HILL NURSING HOME	ROXBURY		000	060	000	000	000	060	0044	0045	096.57
		FAIRMOUNT NURSING HOME INC	BOSTON		000	034	000	000	000	034	0018	0017	098.07
		ENGLEWOOD NURSING HOME	HOSTON		000	046	000	000	000	046	0015	0014	097.51
		FRANIDA HOUSE NURSING HOME	HOSTON		000	027	000	000	000	027	0008	0008	096.23
		GARDNER HOUSE NURSING HOME	HOSTON		000	026	000	000	000	026	0006	0006	098.48
		GRAPIAN NURSING HOME	HOSTON		000	026	000	000	000	026	0007	0008	094.99
		HAVEN NURSING HOME	JAMAICA PLAIN		000	022	000	000	000	022	0006	0006	099.24
		MEL/DEB DBA HIGHLAND NURS. HOME	HOSTON		000	047	000	000	000	047	0010	0010	096.00
		HILLTOP MANOR NURSING HOME	DORCHESTER		000	094	000	000	000	094	0035	0032	098.95
		HODGSON NURSING HOME	DORCHESTER		000	060	000	000	000	060	0012	0015	095.91
		HUNTINGTON NURSING HOME	BOSTON		000	027	000	000	000	027	0019	0017	093.74
		HYDE PARK CONVALESCENT HOME	BOSTON		000	056	000	000	000	056	0043	0044	098.63
		ARBORWAY MANOR CONVAL HOME	JAMAICA PLAIN		000	033	000	000	000	033	0022	0020	097.00
		JOHNSON NURSING HOME	HOSTON		000	032	000	000	000	032	0019	0015	096.28
		SHERIFF MANOR NURSING HOME	DORCHESTER		000	060	000	000	000	060	0020	0020	092.88
		MARTIN NURSING HOME	BOSTON		000	150	000	000	000	150	0047	0044	098.40
		MARY MURPHY NURSING HOME	BOSTON		000	091	000	000	000	091	0021	0022	096.66
		MELVILLE NURSING HOME	BOSTON		000	023	000	000	000	023	0054	0052	098.52
		MILTON VIEW NURSING HOME	MATTAPAN		000	072	000	000	000	072	0026	0024	095.08
		OAK HAVEN INC	BOSTON		000	042	000	000	000	042	0011	0011	092.00
		PARKVIEW MANOR NURSING HOME	JAMAICA PLAIN		000	023	000	000	000	023	0012	0010	096.57
		PARLEY VALE NURSING HOME	BOSTON		000	027	000	000	000	027	0014	0016	097.69
		REGENT NURSING HOME	BOSTON		000	041	000	000	000	041	0005	0003	099.67
		LYNMARK NURSING HOME	HOSTON		000	021	000	000	000	021	0017	0016	096.53
		RUDGER NURSING HOME	DORCHESTER		000	021	000	000	000	021	0031	0030	092.58
		ROSE MARIE NURSING HOME	HOSTON		000	057	000	000	000	057	0037	0021	094.40
		COREY HILL NURSING HOME INC	BOSTON		000	049	000	000	000	049	0020	0020	097.30
		ROYALE NURSING HOME	HOSTON		000	044	000	000	000	044	0020	0019	098.03
		TARA NURSING HOME	DORCHESTER		000	022	000	000	000	022	0039	0031	090.54
		BRADFORD CONVALESCENT HOME	DORCHESTER		000	091	000	000	000	091	0110	0101	096.18
		TOWNSEND NURSING HOME	ROXBURY		000	128	000	000	000	128	0050	0029	095.45
		TUDOR HOUSE NURSING HOME CORP	BOSTON		000	050	000	000	000	050	0034	0034	099.44
		STADIUM MANOR NURSING HOME	BOSTON		000	120	000	000	000	120			

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LFV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMS- SIONS	DIS- CHARGES	OCCUP RATE
41	ICF	WOODHAVEN NURSING HOME	BOSTON	000	098	000	000	098	0043	0039	098.29
		ARENTHOOD NURSING HOME INC	BROOKLINE	000	023	000	000	023	0030	0023	073.95
		CHAMBERLAIN NURSING HOME	BROOKLINE	000	029	000	000	029	0009	0010	094.70
		LUNGWOOD NURSING HOME INC	BROOKLINE	000	039	000	000	039	0021	0024	095.20
		CHELSEA JEWISH NURSING HOME	CHELSEA	000	063	000	000	063	0071	0073	093.59
		COTTAGE MANOR NURSING HOME	CHELSEA	000	034	000	000	034	0027	0024	097.28
		ANNEMARK NURSING HOME	REVERE	000	039	000	000	039	0030	0021	098.53
		GERI-CARE NURSING CTR. REVERE	REVERE	000	150	000	000	150	0087	0085	098.20
		HAYVIEW NURSING HOME	WINTHROP	000	078	000	000	078	0046	0045	096.90
41	ICF			0	3649	0	0	3649	1867	1870	093.14
RH		ALGONQUIN REST HOME	DORCHESTER	000	000	000	019	019	0011	0018	092.16
		MEL/DEB DUPLEY MANOR REST HOME	BOSTON	000	000	000	025	025	0009	0005	066.50
		ELLEN JAMES REST HOME	DORCHESTER	000	000	000	040	040	0004	0007	090.49
		ROSE FINKLE NURSING HOME	BOSTON	000	000	000	023	023	0014	0015	091.03
		ALLIS REST HOME	BOSTON	000	000	000	018	018	0018	0012	081.46
		ANN'S REST HOME	BOSTON	000	000	000	012	012	0004	0002	088.97
		BRADLEE REST HOME	DORCHESTER	000	000	000	017	017	0002	0001	096.18
		HURGOYNE REST HOME	BOSTON	000	000	000	011	011	0000	0000	081.82
		FAIRFAX REST HOME	BOSTON	000	000	000	017	017	0001	0002	100.27
		FRANCES MERRY BARNARD HOME	HYDE PARK	000	000	000	009	009	0000	0000	100.00
		FREDERIKA HOME INC	BOSTON	000	000	000	061	061	0004	0012	054.98
		MT PLEASANT HOME	JAMAICA PLAIN	000	000	000	042	042	0011	0012	048.15
		HALE HOUSE	BOSTON	000	000	000	046	046	0003	0002	099.65
		NORWEGIAN OLD PEOPLES HOME	RUSLINDALE	000	000	000	018	018	0005	0003	062.02
		PARK DALE REST HOME	BOSTON	000	000	000	027	027	0009	0011	093.21
		ROXBURY HOME FOR AGED WOMEN	RUSLINDALE	000	000	000	028	028	0007	0005	069.27
		ST JOSEPH'S MANOR	DORCHESTER	000	000	000	101	101	0021	0010	077.93
		WESTGLOW REST HOME	BOSTON	000	000	000	017	017	0000	0001	045.45
		HEATRICE CATHERINE REST HOME	BOSTON	000	000	000	018	018	0007	0007	095.42
		FERNWOOD REST HOME	EAST BOSTON	000	000	000	062	062	0014	0012	092.52
		HARTFORD REST HOME	DORCHESTER	000	000	000	030	030	0022	0016	088.60
		BROOKLINE REST HOME INC	BROOKLINE	000	000	000	024	024	0023	0023	092.21
		MASON TERRACE REST HOME	BROOKLINE	000	000	000	030	030	0018	0019	083.31
		WELLMAN HOUSE REST HOME	BROOKLINE	000	000	000	020	020	0004	0003	099.62
		CUNLIDGE STREET REST HOME INC	BROOKLINE	000	000	000	024	024	0006	0011	090.08
		WINTHROP ROAD REST HOME	BROOKLINE	000	000	000	031	031	0001	0001	099.96
		CRESTHAVEN REST HOME	WINTHROP	000	000	000	018	018	0004	0004	092.83
41	RH			0	0	0	788	788	222	214	080.45
SNF-ICF		BAYSIDE NURSING HOME	BOSTON	052	052	000	000	104	0121	0116	095.22
		COLUMBUS NURSING HOME	BOSTON	054	056	000	000	110	0045	0032	098.54
		DON ORIONE NURSING HOME	EAST BOSTON	084	116	000	000	200	0078	0071	098.51
		FOREST HILLS NURSING HOME	BOSTON	076	036	000	000	112	0047	0062	085.84
		EDGEWOOD NURSING HOME	DORCHESTER	050	050	000	000	100	0033	0041	070.93
		CHARLES HOUSE CONVAL HOME	BRIGHTON	060	060	000	000	120	0087	0086	097.30
		PARKWELL NURSING HOME	BOSTON	080	040	000	000	120	0062	0060	099.08
		STAR OF DAVID CONVAL HOME	WEST ROXBURY	076	070	000	000	146	0106	0102	095.53
		ST MONICA'S HOME	BOSTON	020	022	000	000	042	0019	0019	098.72
		STONEHEDGE NURSING HOME	BOSTON	039	040	000	000	079	0033	0035	096.04
		VFW PARKWAY NURSING HOME	WEST ROXBURY	052	049	000	000	101	0117	0115	095.03

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISSIONS	DISCHARGES	OCCUP RATE
41	SNF-ICF	WEST ROXBURY MANOR NURS HOME	WEST ROXBURY	039	039	000	000	078	0057	0060	096.22
		JAMAICA TOWERS NURSING HOME	HOSTON	080	040	000	000	120	0108	0102	095.87
		SHERILL HOUSE INC	JAMAICA PLAIN	120	040	000	000	160	0231	0223	091.76
		GREENERY NURSING HOME	ARLINGTON	080	040	000	000	120	0222	0211	094.37
		ALPINE MANOR NURSING HOME	HYDE PARK	082	041	000	000	123	0068	0070	097.32
		CITY VIEW NURSING HOME INC	BROOKLINE	048	055	000	000	103	0116	0114	094.57
		CLIFF HOUSE NURSING HOME	WINTHROP	033	037	000	000	090	0065	0057	097.66
		GOVERNOR WINTHROP NURSING HOME	WINTHROP	036	051	000	000	087	0033	0032	098.89
41	SNF-ICF			1161	954	0	0	2115	1648	1608	094.15
	ICF-RH	HEATRICE MARIE NURSING HOME	HOSTON	000	029	080	000	109	0070	0065	096.02
		HOME FOR AGED WOMEN	HOSTON	000	032	000	113	145	0010	0010	091.58
		DEUTESCHES ALTENHEIM INC	WEST ROXBURY	000	024	000	028	052	0015	0011	062.27
		ELIZABETH CARLETON HOUSE	ROXBURY	000	017	000	093	110	0003	0006	054.37
		ROGERSON HOUSE	HOSTON	000	016	000	040	056	0018	0012	088.40
		GARDNER PIERCE NURSING & REST	HOSTON	000	030	000	123	153	0077	0061	092.04
41	ICF-RH			0	148	80	397	625	193	165	083.18
	SNF-ICF-RH	MARIAN MANOR NURSING HOME	HUSTON	170	185	000	018	373	0192	0189	098.23
		RESTHAVEN CORPORATION	ROXBURY	120	040	000	040	200	0149	0119	093.49
41	SNF-ICF-RH			290	225	0	58	573	341	308	096.54
41				1806	4976	80	1243	8105	5541	5411	092.51
42	SNF	PINE KNOLL NURSING HOME	LEXINGTON	081	000	000	000	081	0154	0155	096.61
42	SNF			81	0	0	0	81	154	155	095.61
	ICF	HILLSIDE AVENUE NURSING HOME	ARLINGTON	000	052	000	000	052	0020	0019	099.22
		PARK CIRCLE NURSING HOME	ARLINGTON	000	026	000	000	026	0006	0008	096.41
		WELLINGTON MANOR NURSING HOME	ARLINGTON	000	045	000	000	045	0026	0023	095.63
		CHESTER MANOR NURSING HOME	CAMBRIDGE	000	036	000	000	036	0011	0011	098.71
		EXETER HOUSE NURSING HOME	CAMBRIDGE	000	053	000	000	053	0037	0042	093.78
		HARVARD MANOR NURSING HOME	CAMBRIDGE	000	097	000	000	097	0201	0106	096.77
		WILLIAM FRANCIS NURSING HOME	CAMBRIDGE	000	027	000	000	027	0014	0015	095.90
		MARYBETH NURSING HOME	CAMBRIDGE	000	051	000	000	051	0018	0009	093.88
		SUNNY-NOOK NURSING HOME	CAPLISLE	000	020	000	000	020	0005	0016	084.29
		FAIRLAWN NURSING HOME INC	LEXINGTON	000	096	000	000	096	0087	0088	094.08
		HANCOCK HOUSE NURSING HOME	LEXINGTON	000	100	000	000	100	0050	0058	078.09
		ADAMS NURSING HOME	SOMERVILLE	000	040	000	000	040	0010	0004	099.43
		CLARENDON HILL NURSING HOME	SOMERVILLE	000	058	000	000	058	0049	0049	095.57
		EVERGREEN NURSING HOME	SOMERVILLE	000	078	000	000	078	0033	0035	099.01
		MARY ELLEN NURSING HOME	SOMERVILLE	000	023	000	000	023	0011	0011	098.38
		PROSPECT HILL MANOR NURS HOME	SOMERVILLE	000	042	000	000	042	0034	0022	093.93
		REAGANS CONVALESCENT HOME	SOMERVILLE	000	042	000	000	042	0025	0031	091.45
		GLENDAL NURSING HOME	WOBBURN	000	049	000	000	049	0018	0015	095.82
42	ICF			0	938	0	0	938	655	562	089.47
	RH	ARLINGTON REST HOME INC	ARLINGTON	000	000	000	019	019	0015	0013	098.02

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LFV I/II	LFV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISSI-ONS	DIS-CHARGES	OCCUP RATE
42	RH	JEFFERSON REST HOME	ARLINGTON	000	000	000	023	023	0006	0006	090.78
		LLEWSAC LODGE	HEDFORD	000	000	000	042	042	0018	0014	089.45
		DANA HOME OF LEXINGTON	LEXINGTON	000	000	000	015	015	0005	0006	083.36
		LINCOLN REST HOME	LINCOLN	000	000	000	012	012	0001	0001	089.86
		CHANDLER MANOR REST HOME	SOMERVILLE	000	000	000	021	021	0013	0021	089.06
		SOMERVILLE HOME FOR THE AGED	SOMERVILLE	000	000	000	055	055	0012	0009	063.38
		HILLCREST MANOR REST HOME	SOMERVILLE	000	000	000	020	020	0007	0007	096.45
		SPREARAY REST HOME	SOMERVILLE	000	000	000	008	008	0003	0003	083.00
		STOW REST HOME	STOW	000	000	000	017	017	0006	0007	095.71
		WHITNEY HOMESTEAD REST HOME	STOW	000	000	000	025	025	0015	0013	090.48
		HOME FOR AGED PEOPLE	WINCHESTER	000	000	000	017	017	0001	0001	073.89
		TIDD HOME	WOBURN	000	000	000	014	014	0000	0002	080.96
42	RH			0	0	0	288	288	102	103	084.28
	SNF-ICF	SUBURBAN MANOR CONV & NUR HOME	ACTON	041	041	000	000	122	0102	0108	097.41
		PARK AVE NURS, CONV & REST HOME	ARLINGTON	040	040	000	000	040	0051	0051	098.08
		RELMONT MANOR NURSING HOME	RELMONT	057	062	000	000	119	0082	0086	090.51
		CAMBRIDGE NURSING HOME	CAMBRIDGE	040	040	000	000	120	0103	0096	095.92
		PROSPECT STREET NURSING HOME	CAMBRIDGE	050	050	000	000	100	0056	0052	094.46
		VERNON HALL NURSING HOME	CAMBRIDGE	028	028	000	000	056	0041	0039	096.75
		MAYOR MICHAEL J NEVILLE MANOR	CAMBRIDGE	037	043	000	000	120	0106	0070	072.73
		WALDEN HOUSE HEALTHCARE NH	CONCORD	082	041	000	000	123	0117	0123	094.70
		EAST VILLAGE NURSING HOME	LEXINGTON	082	080	000	000	162	0192	0188	085.47
		WOBURN NURSING HOME INC	WOBURN	071	039	000	000	110	0045	0045	099.48
42	SNF-ICF			568	544	0	0	1112	895	858	093.87
	ICF-RH	CAMBRIDGE HOME FOR AGED PEOPLE	CAMBRIDGE	000	012	000	036	048	0001	0004	078.86
42	ICF-RH			0	12	0	36	48	1	4	078.86
	SNF-ICF-RH	RIVERCREST LONGTERM CARE FAC HOME FOR AGED	CONCORD	039	039	000	072	150	0044	0047	089.95
			SOMERVILLE	020	023	000	095	138	0075	0076	087.76
42	SNF-ICF-RH			59	62	0	167	288	119	123	091.80
42				708	1556	0	491	2755	1926	1805	090.95
43	SNF	FRAMINGHAM NURSING HOME	FRAMINGHAM	049	000	000	000	049	0039	0043	081.53
		MEADOWBROOK LODGE NURSING HOME	FRAMINGHAM	040	000	000	000	040	0057	0055	094.33
		KATHRYN BARTON NURSING HOME	WAYLAND	055	000	000	000	055	0072	0071	098.77
		WELLESLEY MANOR NURSING HOME	WELLESLEY	097	000	000	000	097	0175	0170	082.71
43	SNF			241	0	0	0	241	343	339	088.28
	ICF	MARY JANE NURSING HOME	ASHLAND	000	025	000	000	025	0004	0004	089.47
		CLEARVIEW NURSING HOME	FRAMINGHAM	000	018	000	000	018	0006	0007	098.55
		COUNTRYSIDE NURSING HOME	FRAMINGHAM	000	030	000	000	030	0011	0012	097.32
		MIDDLESEX MANOR NURSING HOME	FRAMINGHAM	000	106	000	000	106	0030	0052	096.53
		MAPLE CLIFFS NUR. & CONV. HOME	FRAMINGHAM	000	024	000	000	024	0011	0013	084.02
		MEADOWBROOK MANOR NURSING HOME	FRAMINGHAM	000	035	000	000	035	0019	0019	095.58
		WINTER GABLES CONV & NUR HOME	FRAMINGHAM	000	030	000	000	030	0012	0012	094.53

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LFV I/II	LFV III	LFV IV	LEV I/II	LEV III	LEV IV	LIC BEDS TOTAL	ADMISS-IONS	DIS-CHARGES	OCCUP RATE
43	ICF	WINTER GABLES NURSING HOME	FRAMINGHAM	000	043	000	000	000	000	043	0037	0038	086.30
		HOLLISTON MANOR NURSING HOME	HOLLISTON	000	049	000	000	000	000	049	0020	0020	095.61
		ST. JUDE CONVALESCENT HOME	HUDSON	000	048	000	000	000	000	048	0015	0015	096.30
		PLEASANT VIEW NURSING HOME	MARLBOROUGH	000	023	000	000	000	000	023	0003	0007	098.45
		HANSON NURSING HOME	NATICK	000	013	000	000	000	000	013	0021	0016	098.97
		NATICK NURSING HOME	NATICK	000	057	000	000	000	000	057	0025	0026	096.11
		PHILIPS HOUSE NURSING HOME	SOUTH NATICK	000	009	000	000	000	000	009	0012	0010	095.16
		BLAIR NURSING HOME	NEWTON	000	018	000	000	000	000	018	0010	0009	059.35
		BRAFHURN NURSING HOME	NEWTON	000	084	000	000	000	000	084	0055	0051	097.56
		BURTON CONVALESCENT HOME	NEWTON	000	030	000	000	000	000	030	0009	0008	095.15
		ELLIOT MANOR NURSING HOME	NEWTON	000	050	000	000	000	000	050	0033	0035	096.49
		VANDERKLISH HALL NURSING HOME	NEWTON	000	022	000	000	000	000	022	0005	0006	095.99
		WEDGWOOD NURSING HOME	NEWTON	000	009	000	000	000	000	009	0014	0009	066.66
		CHTWNDE CONVALESCENT HOME	NEWTON	000	028	000	000	000	000	028	0007	0007	099.43
		FOREST MANOR NURSING HOME	WALTHAM	000	044	000	000	000	000	044	0013	0012	098.39
		HOPKINS NURSING HOME	WALTHAM	000	019	000	000	000	000	019	0013	0012	096.61
		LARCHWOOD LODGE NURSING HOME	WALTHAM	000	031	000	000	000	000	031	0019	0018	094.08
		PIETY CORNER NURSING HOME	WALTHAM	000	034	000	000	000	000	034	0018	0020	098.11
		PROSPECT HILL NURSING HOME	WALTHAM	000	029	000	000	000	000	029	0012	0009	099.49
		ROSS-WORTHEN HOME	WALTHAM	000	022	000	000	000	000	022	0003	0003	095.26
		WALTHAM NURSING HOME	WALTHAM	000	032	000	000	000	000	032	0016	0015	098.50
		DR C BENJAMIN FULLER HOME INF	WALTHAM	000	036	000	000	000	000	036	0010	0008	096.44
		COCHITUATE NURSING HOME, INC.	WAYLAND	000	040	000	000	000	000	040	0027	0028	095.06
43	ICF			0	1038	0	0	0	0	1038	490	501	095.11
	RH	DUGAN REST HOME	ASHLAND	000	000	000	028	028	028	028	0015	0016	094.35
		EDGEHILL REST HOME	FRAMINGHAM	000	000	000	020	020	020	020	0008	0011	055.51
		VERNON HOUSE INC	FRAMINGHAM	000	000	000	014	014	014	014	0003	0004	095.76
		DOLLY MADISON REST HOME	HOLLISTON	000	000	000	014	014	014	014	0003	0007	057.86
		PINE GROVE REST HOME	MARLBOROUGH	000	000	000	028	028	028	028	0000	0002	087.49
		WHITE GABLES NATICK	NATICK	000	000	000	012	012	012	012	0009	0010	076.46
		NIMS REST HOME	NATICK	000	000	000	021	021	021	021	0004	0004	099.86
		SPURLING REST HOME	NATICK	000	000	000	016	016	016	016	0002	0002	087.87
		DAYSTAR HOME	NEEDHAM	000	000	000	020	020	020	020	0006	0006	092.85
		MT IDA REST HOME	NEWTON	000	000	000	018	018	018	018	0003	0003	092.94
		LAKEVIEW REST HOME	NEWTON	000	000	000	012	012	012	012	0006	0005	077.51
		CARROLL CENTER FOR THE BLIND	NEWTON	000	000	000	019	019	019	019	0040	0045	060.30
		STONE INST AND NEWTON HOME	NEWTON	000	000	000	024	024	024	024	0006	0003	072.73
		SWEDISH HOME FOR THE AGED	NEWTON	000	000	000	030	030	030	030	0005	0002	043.53
		WORLEY REST HOME	NEWTON	000	000	000	007	007	007	007	0001	0002	068.18
		GARLAND REST HOME	NEWTON	000	000	000	009	009	009	009	0007	0007	082.07
		NORTHBORO REST HOME	NORTHBOROUGH	000	000	000	020	020	020	020	0004	0003	098.81
		VARNUM PARK REST HOME	WALTHAM	000	000	000	031	031	031	031	0011	0002	099.24
		LEE REST HOME	WALTHAM	000	000	000	024	024	024	024	0004	0003	100.20
		MARSHALL HOUSE	WATERTOWN	000	000	000	018	018	018	018	0003	0004	096.56
43	RH			0	0	0	385	385	385	385	140	141	082.76
	SNF-ICF	KATHLEEN DANIEL NURSING HOME	FRAMINGHAM	080	040	000	000	000	000	120	0119	0118	098.31
		ST. PATRICKS MANOR	FRAMINGHAM	167	125	000	000	000	000	292	0083	0083	099.79
		BOLTON HALL NURSING HOME	MARLBORO	080	080	000	000	000	000	160	0178	0175	098.04
		HAMILTON HOUSE NURSING HOME	NEEDHAM	041	039	000	000	000	000	080	0082	0083	095.90

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LFV I/II	LEV III	LEV IIIA	LFV IV	LIC TOTAL	ADMS- SIONS	DIS- CHARGES	OCCUP RATE
43	SNF-ICF	CHETWYDE NURSING HOME	NEWTON	038	037	000	000	075	0067	0067	097.56
		NEWTON CONVALESCENT HOME	NEWTON	082	041	000	000	123	0050	0042	097.25
		HERITAGE-HILL-NEWTON RET CONV	NEWTON	040	090	000	000	130	0097	0092	094.07
		GRANGERS NURSING HOME	NORTHBOROUGH	014	019	000	000	033	0026	0025	093.81
		THORNTON NURSING HOME	NORTHBOROUGH	042	042	000	000	084	0037	0034	098.06
		SUDBURY PINES NURSING HOME	SUDBURY	040	040	000	000	080	0055	0066	089.49
		RESERVUIR NURSING HOME INC	WALTHAM	080	040	000	000	120	0129	0126	093.17
		MARISTHILL NURSING HOME	WALTHAM	082	041	000	000	123	0069	0099	098.33
		CHARLESGATE MANOR CONV HOME	WATERTOWN	050	052	000	000	102	0089	0083	093.31
		EMERSON CONVALESCENT HOME INC	WATERTOWN	081	082	000	000	163	0080	0071	096.90
		NEWTON-WELLESLEY NURSING HOME	WELLESLEY	060	060	000	000	120	0152	0151	095.79
		WESTBOROUGH NURSING HOME	WESTBOROUGH	082	041	000	000	123	0105	0103	095.58
		WESTON MANOR NURSING & RETIRE	WESTON	080	040	000	000	120	0049	0050	093.96
43	SNF-ICF			1139	909	0	0	2048	1467	1468	096.42
	ICF-RH	HRIARWOOD CONV & RETIRE. HOME	NEEDHAM	000	040	000	080	120	0085	0080	094.48
		BAPTIST HOME OF MASS	NEEDHAM	000	024	000	108	132	0019	0015	081.60
		HEATHWOOD NURSING HOME	NEEDHAM	000	030	000	040	070	0038	0039	087.85
		LELAND HOME	WALTHAM	000	008	000	033	041	0003	0003	085.54
43	ICF-RH			0	102	0	261	363	145	137	087.50
	SNF-ICF-RH	BRAEMOOR OF MARLBOROUGH N. H.	MARLBOROUGH	041	068	000	025	134	0210	0151	103.37
		BRITTANY TOWERS CONV/ RET HOME	NATICK	040	040	000	040	120	0060	0049	095.24
43	SNF-ICF-RH			81	108	0	65	254	270	200	092.43
43				1461	2157	0	711	4329	2855	2786	093.45
44	SNF	MAPLE GROVE MANOR CONV. HOME	NORWOOD	185	000	000	000	185	0222	0221	073.59
		SHARON MANOR NURSING HOME	SHARON	058	000	000	000	058	0076	0075	091.86
44	SNF			243	0	0	0	243	298	296	096.04
	ICF	VAN-DIURA NURSING HOME	FOXBOROUGH	000	068	000	000	068	0037	0041	093.96
		MED-VALE NURSING HOME INC.	MEDFIELD	000	049	000	000	049	0027	0027	097.33
		DENNY HOUSE NURSING HOME	NORWOOD	000	041	000	000	041	0012	0014	098.57
		VICTORIA REST HAVEN NURS HOME	NORWOOD	000	031	000	000	031	0018	0020	096.03
		NORWOOD NURS & RETIREMENT HOME	NORWOOD	000	048	000	000	048	0026	0023	096.00
		MAPLES CONVALESCENT HOME, INC.	WRENTHAM	000	054	000	000	054	0032	0019	098.24
		SERENITY HILL	WRENTHAM	000	044	000	000	044	0018	0015	095.54
		SHELDONVILLE NURSING HOME	WRENTHAM	000	050	000	000	050	0020	0018	096.24
44	ICF			0	385	0	0	385	190	177	096.32
	RH	PLEASANT VIEW REST HOME	MILLIS	000	000	000	025	025	0008	0006	096.00
		FOUR SEASONS REST HOME	MILLIS	000	000	000	036	036	0010	0010	098.57
44	RH			0	0	0	61	61	18	16	097.52
	SNF-ICF	HELLENIC NURS HOME FOR AGED	CANTON	039	081	000	000	120	0062	0057	096.08
		CHARLEWELL HOUSE NURSING HOME	NORWOOD	040	080	000	000	120	0110	0105	097.07

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/I	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISS-IONS	DIS-CHARGES	DIS-CHARGES RATE	UCCUP RATE
45	SNF-ICF	BRADLEY MANOR NURSING HOME	WEYMOUTH	035	036	000	000	071	0032	0031	093.38	
45	SNF-ICF			746	471	0	0	1217	1077	1100	093.43	
	ICF-RH	MULLINGSWORTH HSE NUR & RET FAC	HRAINTREE	000	060	045	000	105	0006	0005	096.38	
45	ICF-RH			0	60	45	0	105	6	5	096.38	
	SNF-ICF-RH	QUINCY NURSING HOME	QUINCY	050	070	000	020	140	0092	0107	084.01	
45	SNF-ICF-RH			50	70	0	20	140	92	107	084.02	
45				1034	1140	45	96	2355	1776	1793	093.68	
51	ICF	HILTON HOUSE NURSING HOME	ATTLEBORO	000	020	000	000	020	0010	0010	107.84	
		PLEASANT MANOR NURSING HOME	ATTLEBORO	000	076	000	000	076	0079	0060	089.61	
		BRISTOL NURSING HOME	ATTLEBORO	000	065	000	000	065	0035	0038	097.76	
		MADONNA MANOR INC.	NORTH ATTLEBORO	000	129	000	000	129	0052	0052	099.09	
		ROGERS NURSING HOME, INC.	PLAINVILLE	000	059	000	000	059	0055	0053	089.32	
51	ICF			0	349	0	0	349	231	213	107.07	
	RH	ATTLEBORO MANOR REST HOME	SO. ATTLEBORO	000	000	000	018	018	0002	0005	095.30	
		MORIN'S RETIREMENT HOME INC	ATTLEBORO	000	000	000	060	060	0018	0011	091.60	
		DAGGETT-CRANDALL-NEWCOMB HOME	NORTON	000	000	000	030	030	0008	0004	077.50	
		OLD COLONY ROAD REST HOME	NORTON	000	000	000	050	050	0014	0014	097.80	
51	RH			0	0	0	158	158	42	34	091.31	
	SNF-ICF	RIDGEWOOD COURT NURSING HOME	ATTLEBORO	080	040	000	000	120	0077	0076	099.19	
		COUNTRY HAVEN NURSING HOME	NORTON	040	054	000	000	094	0101	0107	093.46	
51	SNF-ICF			120	94	0	0	214	178	183	096.68	
51				120	443	0	158	721	451	430	099.54	
52	ICF	BRIDGEWATER NURSING HOME	BRIDGEWATER	000	056	000	000	056	0035	0034	097.78	
		ABIGAIL MANOR NURSING HOME	BROCKTON	000	057	000	000	057	0017	0013	085.60	
		DELL-BON NURSING HOME	BROCKTON	000	027	000	000	027	0002	0002	100.00	
		GREEN OAK NURSING HOME	BROCKTON	000	083	000	000	083	0019	0025	094.21	
		MADALAWN NURSING HOME	BROCKTON	000	051	000	000	051	0029	0027	095.97	
		LAKEVIEW NURSING HOME INC	EASTON	000	022	000	000	022	0006	0006	099.05	
		NORFOLK NURSING HOME	STOUGHTON	000	059	000	000	059	0034	0029	096.42	
		WOODBURY NURSING HOME	STOUGHTON	000	024	000	000	024	0014	0014	091.06	
		BRAE BURN NURSING HOME	WHITMAN	000	060	000	000	060	0024	0022	097.39	
52	ICF			0	439	0	0	439	180	172	086.92	
	RH	ELEANOR NURSING HOME	BROCKTON	000	000	000	021	021	0009	0011	096.93	
		WHITTAKER REST HOME	BROCKTON	000	000	000	014	014	0002	0001	096.40	
		WESTVIEW REST HOME	E BRIDGEWATER	000	000	000	018	018	0005	0006	095.94	
		VILLAGE REST HOME	EASTON	000	000	000	014	014	0002	0002	100.00	

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN	ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMISS-IONS	DIS-CHARGES	OCCUP RATE
44	SNF-ICF	THE ELLIS NURSING HOME	NORMOND		071	036	000	000	107	0129	0109	098.90
44	SNF-ICF				150	197	0	0	347	301	271	097.29
	ICF-RH	ODOLITTLE UNIVERSALIST HOME KINGS DAUGHTERS & SONS HOME	FOXBORO WRENTHAM		000 000	009 005	000 000	024 022	033 027	0009 0003	0006 0003	055.21 090.93
44	ICF-RH				0	14	0	46	60	12	9	071.28
44					393	596	0	107	1096	819	769	095.25
45	SNF	ELIHU WHITE NURSING HOME INC COHASSET KNOLL NURS. & RET.HME JOHN ADAMS NURSING HOME	BRAINTREE COHASSET QUINCY		109 080 049	000 000 000	000 000 000	000 000 000	109 080 049	0129 0098 0025	0123 0094 0026	097.76 096.27 097.77
45	SNF				238	0	0	0	238	252	243	097.25
	ICF	FRANKLIN NURSING HOME RIPLEY ROAD NURSING HOME DEERING NURSING HOME INC HOLAROOK MANOR NURSING HOME STETSON MANOR NURSING HOME CRESTVIEW NURSING HOME ELWOOD NURSING & RET HOME FRIEL N. H. MERRYMOUNT MANOR NURSING HOME OCEAN SIDE NURSING HOME WILLIAM B. RICE EVENTIDE HOME BRI-MAR NURSING HOME CARDIGAN NURSING HOME BROOKBEND NURSING HOME SAMUEL WHITE NURSING HOME POPF NURSING HOME	BRAINTREE COHASSET HINGHAM HOLBROOK NORWELL QUINCY QUINCY QUINCY RANDOLPH SCITUATE WEYMOUTH WEYMOUTH WEYMOUTH		000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000	032 025 057 050 016 049 026 029 026 025 053 030 065 034 022 040	000 000 000 000 000 000 000 000 000 000 000 000 000 000 000 000	0009 0011 0056 0016 0018 0037 0030 0026 0007 0014 0011 0021 0036 0013 0008 0009	0011 0010 0053 0011 0018 0037 0027 0016 0007 0014 0017 0026 0036 0013 0008 0005	099.75 097.39 088.24 097.57 088.30 097.65 095.19 097.66 099.88 097.60 085.87 096.65 087.27 089.88 083.09 097.55		
45	ICF				0	579	0	0	579	322	307	094.34
	RH	NEW ENGLAND FRIENDS HOME ALMANA REST HOME SETH MANN 2ND HOME FOR AGED WHITTAKER REST HOME	HINGHAM QUINCY RANDOLPH SOUTH WEYMOUTH		000 000 000 000	000 000 000 000	000 000 000 000	015 022 005 034	015 022 005 034	0008 0008 0000 0011	0009 0010 0001 0011	084.04 097.70 095.78 099.32
45	RH				0	0	0	76	76	27	31	095.60
	SNF-ICF	FRANVALE NURSING HOME JOHN SCOTT HSE NURSING HOME RESTHAVEN NURSING HOME BRAINTREE MANOR NUR & CON HOME NORWELL KNOLL NURSING HOME PRESIDENTIAL CONVL. HOME INC ROBBIN HOUSE CONVALESCENT HOME HOLLYWELL NURSING HOME COLONIAL NURS HOME OF WEYMOUTH WEYMOUTH MANOR NURING HOME	BRAINTREE BRAINTREE BRAINTREE BRAINTREE NORWELL QUINCY QUINCY RANDOLPH WEYMOUTH WEYMOUTH		052 075 051 135 040 044 047 104 123 040	037 050 020 055 040 046 068 031 048 040	000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000	089 125 071 190 080 090 115 135 171 080	0087 0087 0045 0204 0097 0050 0070 031 0258 0023	0089 0091 0040 0206 0098 0049 0069 0123 0257 0047	097.15 098.21 098.15 097.12 090.91 093.98 098.83 078.17 094.99 085.52

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMS- STONS	DIS- CHARGES	OCCUP RATE
52	RH			0	0	0	67	67	18	20	096.47
52	SNF-ICF	CULINY HOUSE HEALTHCARE N. H.	ARINGTON	036	066	000	000	102	0074	0077	097.09
		MILDRED ALFORD NURSING HOME	NORTH ABINGTON	047	052	000	000	099	0094	0081	095.80
		LUTHERN NURS HOME OF BROCKTON	BROCKTON	082	041	000	000	123	0043	0043	098.60
		QUINCY ADAMS NURSING HOME CORP	BROCKTON	084	041	000	000	125	0089	0093	098.17
		WOODBRIDGE HOUSE NURSING HOME	BROCKTON	083	040	000	000	123	0160	0160	096.90
		ST. JOSEPH MANOR NURSING HOME	BROCKTON	028	028	000	000	056	0023	0019	099.16
		WEST ACRES NURSING HOME	BROCKTON	068	040	000	000	108	0066	0066	093.43
		EMBASSY HOUSE HEALTHCARE N. H.	BROCKTON	082	041	000	000	123	0109	0098	094.88
		BRAEMOOR NURSING HOME INC	BROCKTON	080	040	000	000	120	0186	0185	089.64
		HALLMARK NURSING HOME	E BRIDGEWATER	082	041	000	000	123	0076	0064	098.46
		EASTON-LINCOLN NURSING HOME	NORTH EASTON	040	046	000	000	086	0108	0104	097.30
		BLUE HILLS CONVALESCENT HOME	STOUGHTON	041	060	000	000	101	0065	0060	096.55
52	SNF-ICF			753	536	0	0	1289	1093	1050	096.19
	ICF-RH	REGENT PARK NURS. & RET. HOME	BROCKTON	000	060	060	000	120	0061	0058	098.33
52	ICF-RH			0	60	60	0	120	61	58	098.34
52	SNF	DEL MANOR NURSING HOME INC	ROCKLAND	753	1035	60	67	1915	1352	1300	094.21
53	SNF			109	000	000	000	109	0116	0116	096.55
53	SNF			109	0	0	0	109	116	116	096.55
	ICF	THE DUXBURY HOUSE NURSING HOME	DUXBURY	000	021	000	000	021	0018	0014	096.43
		LOGAN NURSING & RET HOME	MARSHFIELD	000	028	000	000	028	0012	0013	098.82
		NORTH RIVER NURSING HOME INC	PEMBROKE	000	039	000	000	039	0017	0016	095.12
		NEWFIELD HOUSE INC. CONV. HOME	PLYMOUTH	000	100	000	000	100	0082	0078	098.46
		PLYMOUTH NURSING HOME	PLYMOUTH	000	040	000	000	040	0013	0012	092.49
		LAWRENCE NURSING HOME	ROCKLAND	000	021	000	000	021	0005	0006	090.81
		LINDEN NURSING & RETIREMENT HOM	ROCKLAND	000	019	000	000	019	0007	0006	097.03
		ROCKLAND NURSING HOME	ROCKLAND	000	025	000	000	025	0010	0008	097.69
53	ICF			0	293	0	0	293	164	153	095.71
	RH	HILLTOP REST HOME	CARVER	000	000	000	014	014	0002	0002	072.34
		HILL POND REST HOME	HANDOVER	000	000	000	040	040	0013	0012	093.66
		SHADY BREEZE REST HOME	KINGSTON	000	000	000	015	015	0001	0001	096.62
		HAPPINESS HOUSE REST HOME	PLYMOUTH	000	000	000	036	036	0004	0004	093.17
		GOLDEN DAYS REST HOME	ROCKLAND	000	000	000	016	016	0008	0009	095.43
		TIFFANY REST HOME	ROCKLAND	000	000	000	043	043	0016	0016	096.68
53	RH			0	0	0	164	164	44	44	092.96
	SNF-ICF	HERITAGE HILL NURSING HOME	PLYMOUTH	040	044	000	000	084	0049	0052	097.37
		MAYFLOWER HOUSE NH & CHILD CR	PLYMOUTH	120	060	000	000	180	0235	0225	098.08
		SOUTH SHORE NURSING FACILITY	ROCKLAND	040	044	000	000	084	0083	0076	095.20
53	SNF-ICF			200	148	0	0	348	367	353	097.21

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LFV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMIS- SIONS	DIS- CHARGES	OCCUP RATE
53				309	441	0	164	914	691	666	095.90
54	SNF	WEDGEMERE CUNVALESCENT HOME	TAUNTON	080	000	000	000	080	0170	0150	096.32
54	SNF			80	0	0	0	80	170	150	096.32
ICF		DIGHTON NURS & CONVAL HOME	NORTH DIGHTON	000	030	000	000	030	0010	0011	102.78
		MEADOW VIEW NURSING HOME	LAKEVILLE	000	026	000	000	026	0018	0014	093.93
		GREENLAWN NURSING HOME INC	MIDDLEBOROUGH	000	049	000	000	049	0007	0006	099.76
		MARION ROAD NURSING HOME	MIDDLEBOROUGH	000	050	000	000	050	0017	0015	098.95
		DEB-A-NOR NURSING HOME	TAUNTON	000	019	000	000	019	0004	0002	097.13
		LONGMEADOW NURSING HOME	TAUNTON	000	051	000	000	051	0018	0023	096.09
54	ICF			0	225	0	0	225	74	71	098.27
RH		FAIR HAVENS REST HOME	MIDDLEBOROUGH	000	000	000	028	028	0011	0015	096.98
		MIDDLEBORO REST HOME	MIDDLEBORO	000	000	000	017	017	0005	0004	099.05
		COLONIAL COTTAGE REST HOME	MIDDLEBOROUGH	000	000	000	024	024	0007	0007	096.43
		TAUNTON FEMALE CHAR ASSOC INC	TAUNTON	000	000	000	012	012	0001	0002	095.59
54	RH			0	0	0	0	81	24	28	097.04
SNF-ICF		ISLAND TERRACE NURSING HOME	LAKEVILLE	040	033	000	000	073	0077	0081	009.62
		OAK HILL NURSING HOME	MIDDLEBOROUGH	041	045	000	000	086	0050	0044	096.48
		FOREST MANOR LTC	MIDDLEBORO	083	041	000	000	124	0135	0106	097.05
		MARIAN MANOR	TAUNTON	034	071	000	000	105	0007	0018	106.43
54	SNF-ICF			198	190	0	0	388	269	249	096.78
ICF-RH		HANNAH B. G. SHAW HOME	MIDDLEBOROUGH	000	008	000	042	050	0017	0014	085.49
		TAUNTON NURSING HOME	TAUNTON	000	017	000	019	036	0024	0025	079.12
54	ICF-RH			0	25	0	61	86	41	39	083.18
54				278	440	0	142	860	574	537	092.85
55	SNF	COUNTRY GARDENS NURSING HOME	SWANSEA	082	000	000	000	082	0093	0091	095.76
55	SNF			82	0	0	0	82	93	91	095.76
ICF		CATHOLIC MEMORIAL HOME	FALL RIVER	000	295	000	000	295	0140	0160	097.14
		CLIFF GABLES NURSING HOME	FALL RIVER	000	049	000	000	049	0024	0024	100.00
		CLIFF HAVEN NURSING HOME	FALL RIVER	000	034	000	000	034	0022	0022	100.27
		CLIFF HEIGHTS NURSING HOME	FALL RIVER	000	047	000	000	047	0036	0036	100.00
		CLIFF LAWN NURSING HOME	FALL RIVER	000	030	000	000	030	0021	0021	100.00
		CLIFF MANOR NURSING HOME	FALL RIVER	000	044	000	000	044	0038	0038	100.27
		CLIFTON NURSING HOME	FALL RIVER	000	044	000	000	044	0018	0022	095.37
		HIGHLAND AVENUE CONVAL. HOME	FALL RIVER	000	026	000	000	026	0004	0003	100.00
		ROSE HAWTHORE LATHROP HOME	FALL RIVER	000	040	000	000	040	0149	0147	053.79
		EVELYN HATHAWAY PURDY N. H.	SWANSEA	000	028	000	000	028	0015	0013	095.42
55	ICF			0	637	0	0	637	467	486	095.29

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I	LEV II	LEV III	LEV IV	LEV V	LIC TOTAL	ADMISS	DIS-CHARGES	OCCUP RATE
55	RH	ROSEWOOD MANOR REST HOME SWANSEA REST HOME INC	FALL RIVER SWANSEA	000	000	000	000	060	060	0012	0011	097.95 100.00
55	RH			0	0	0	0	76	76	12	11	098.38
	SNF-ICF	CRESTWOOD CONVALESCENT HOME FALL RIVER JEWISH HMF FOR AGED CRAWFORD HOUSE CONVALESCENT HOM KIMWELL NURSING HOME FALL RIVER NURSING HOME	FALL RIVER FALL RIVER FALL RIVER FALL RIVER FALL RIVER	050	053	000	000	000	103	0047	0045	097.12 098.87 098.03 098.77 098.65
55	SNF-ICF			234	329	0	0	0	563	297	231	098.28
	ICF-RH	HOME FOR AGED PEOPLE	FALL RIVER	000	024	000	035	059	059	0030	0022	092.98
55	ICF-RH			0	24	0	35	59	59	30	22	092.36
55				316	990	0	111	1417	1417	899	841	096.57
56	SNF	NEW BEDFORD JEWISH CONVAL HOME SAVON CONVALESCENT HOME	NEW BEDFORD NEW BEDFORD	044	000	000	000	000	044	0044	0047	099.91 097.27
56	SNF			83	0	0	0	83	83	66	69	097.47
	ICF	ACUSHNET NURSING HOME HARBORVIEW MANOR NURSING HOME OUR LADY'S HAVEN MATTAPoisETT NURSING HOME BRISTOL NURSING & CONVAL HOME KRISTEN HETH NURSING HOME INC CASA SEVILLE TABER STREET NURSING HOME	ACUSHNET SOUTH DARTMOUTH FAIRHAVEN MATTAPoisETT NEW BEDFORD NEW BEDFORD NEW BEDFORD NEW BEDFORD	000	028	000	000	000	028	0013	0013	099.71 092.52 098.58 094.58 098.36 097.90 097.85 095.91
56	ICF			0	567	0	0	0	567	261	270	097.33
	RH	COUNTRY REST HOME DARTMOUTH MANOR REST HOME BAILIES REST HOME MCCORMACK REST HOME CENTER GREEN REST HOME EVERGREEN HOUSE REST HOME INC THE COTTAGE REST HOME HAVENWOOD REST HOME RITA'S REST HOME ROL-ANN REST HOME	S DARTMOUTH DARTMOUTH FAIRHAVEN FAIRHAVEN FAIRHAVEN NEW BEDFORD NEW BEDFORD NEW BEDFORD NEW BEDFORD NEW BEDFORD	000	000	000	025	025	025	0006	0006	095.76 092.57 100.00 098.36 095.21 098.33 099.58 100.00 098.05 096.33
56	RH			0	0	0	0	207	207	42	38	097.23
	SNF-ICF	DARTMOUTH HOUSE NURSING HOME HALLMARK NURSING HOME	SOUTH DARTMOUTH NEW BEDFORD	033	074	000	000	000	107	0048	0050	099.05 098.03
56	SNF-ICF			75	153	0	0	228	228	112	113	098.51

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMS- SINS	DIS- CHARGES	OCCUP RATE
56	ICF-RH	SACRED HEART NURSING HOME SASSAQUIN CONVALESCENT HOME	NEW BEDFORD NEW BEDFORD	000 000	163 080	000 000	050 040	213 120	0040 0058	0040 0046	099.80 097.32
56	ICF-RH			0	243	0	90	333	98	86	098.88
	SNF-ICF-RH	NICHOLS HOUSE NURSING HOME	FAIRHAVEN	048	052	000	007	107	0065	0065	098.79
56	SNF-ICF-RH			48	52	0	7	107	65	65	097.86
56				206	1015	0	304	1525	644	641	097.88
57	SNF	CENTERVILLE NURSING HOME ORLEANS CONV. & RET. HOME	CENTERVILLE ORLEANS	075 050	000 000	000 000	000 000	075 050	0115 0042	0106 0039	078.19 092.39
57	SNF			125	0	0	0	125	157	145	083.87
	ICF	FRASER NURSING HOME OF HYANNIS RESTHAVEN NURSING HOME CAPE COD NURSING & RET. HOME HIGH TOWER NURSING HOME ROYAL MAGANSFITT NURSING HOME OUR ISLAND HOME CAPE END MANOR VILLAGE GREEN NURSING HOME INC YARMOUTH NURSING HOME	HYANNIS HYANNIS HYORNE MOUNUMENT BEACH NORTH FALMOUTH NANTUCKET PROVINCETOWN WAREHAM YARMOUTH	000 000 000 000 000 000 000 000 000	037 044 097 030 061 030 026 105 016	000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000	037 044 097 030 061 030 026 105 016	0011 0028 0045 0017 0050 0006 0009 0045 0004	0011 0030 0040 0017 0026 0009 0010 0081 0010	096.19 087.92 085.62 089.68 050.22 095.98 097.48 098.34 051.76
57	ICF			0	446	0	0	446	255	234	085.34
	RH	HARBOR VIEW REST HOME HOME FRASER REST HOME OF FALMOUTH RAHLING ROSE REST HOME FRASER REST HOME OF SANDWICH SUNNY COURT REST HOME	BARNSTABLE N FALMOUTH HARWICH SANDWICH WAREHAM	000 000 000 000 000	000 000 000 000 000	000 000 000 000 000	020 023 037 020 016	020 023 037 020 016	0008 0006 0020 0012 0001	0009 0003 0020 0010 0001	095.00 094.97 081.08 092.25 098.70
57	RH			0	0	0	116	116	47	43	090.59
	SNF-ICF	WHITEHALL MANOR NURSING HOME LEWIS BAY CONVALESCENT HOME FALMOUTH NURSING HOME INC.	HYANNIS HYANNIS FALMOUTH	036 082 081	069 060 040	000 000 000	000 000 000	105 142 121	0054 0283 0152	0044 0173 0147	096.79 087.44 094.22
57	SNF-ICF			199	169	0	0	368	489	364	092.53
	ICF-RH	WINDSOR NURSING HOME PILGRIMS PRIDE NURSING HOME	SO. YARMOUTH MASHPEE	000 000	060 060	000 000	000 060	120 120	0160 0101	0131 0089	093.49 092.42
57	ICF-RH			0	120	60	60	240	261	220	092.83
57				324	735	60	176	1295	1209	1006	089.06
61	SNF	STEPHEN CALDWELL MEM. CONV. HOM	IPSWICH	036	000	000	000	036	0031	0030	098.15
61	SNF			36	0	0	0	36	31	30	098.15

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC TOTAL	ADMISSIONS	DISCHARGES	OCCUP RATE
61	ICF	OAKWOOD NURSING HOME	MANCHESTER	000	029	000	000	029	0008	0006	097.01
61	ICF			0	29	0	0	29	8	6	066.91
	RH	OLD LADIES HOME	BEVERLY	000	000	000	011	011	0002	0000	060.35
		OCEAN STREET REST HOME INC	BEVERLY	000	000	000	020	020	0012	0010	092.25
		GLOUCESTER MANOR REST HOME	GLOUCESTER	000	000	000	036	036	0008	0008	099.94
		EAST GLOUCESTER REST HOME	GLOUCESTER	000	000	000	015	015	0017	0003	096.62
		SHORE CLIFF REST HOME	MAGNOLIA	000	000	000	034	034	0019	0020	087.26
		HILLCREST REST HOME	GLOUCESTER	000	000	000	015	015	0024	0015	053.26
		CORN CHARITABLE SOCIETY	IPSWICH	000	000	000	009	009	0000	0001	066.91
		WHITE GABLES REST HOME	MANCHESTER	000	000	000	021	021	0013	0011	094.25
61	RH			0	0	0	161	161	95	68	085.28
	SNF-ICF	BLUEBERRY HILL HEALTH CARE N.H	HEVERLY	040	054	000	000	094	0062	0054	095.64
		HANCOCK HOUSE N.H. OF BEVERLY	BEVERLY	040	100	000	000	140	0129	0120	095.99
		BEVERLY NURSING HOME	BEVERLY	080	080	000	000	160	0095	0094	099.67
		CAPE ANN NURSING HOME	GLOUCESTER	052	048	000	000	100	0065	0065	099.26
		DEN-MAR NURSING HOME	RICKPORT	038	042	000	000	080	0055	0030	095.97
61	SNF-ICF			250	324	0	0	574	406	363	097.56
61				286	353	0	161	800	540	467	094.00
62	SNF	PILGRIM HOUSE NURSING HOME	PEABODY	142	000	000	000	142	0261	0266	094.89
62	SNF			142	0	0	0	142	261	266	094.89
	ICF	HERITAGE HOUSE NURSING HOME	DANVERS	000	042	000	000	042	0013	0012	097.60
		FARNSWORTH NURSING HOME	PEABODY	000	074	000	000	074	0041	0041	099.59
		PEARODY NURSING HOME	PEABODY	000	033	000	000	033	0009	0009	097.80
		RAINBOW NURSING HOME	PEABODY	000	031	000	000	031	0006	0008	097.56
		NEWMALL NURSING HOME	SALEM	000	047	000	000	047	0018	0019	098.37
62	ICF			0	227	0	0	227	87	89	098.58
	RH	BLAKEDALE REST HOME	DANVERS	000	000	000	013	013	0008	0009	097.26
		DANVERS HOME FOR THE AGED INC	DANVERS	000	000	000	007	007	0002	0003	095.62
		NEW ENGLAND HOME FOR THE DEAF	DANVERS	000	000	000	030	030	0001	0002	100.00
		BETRAM HOME FOR AGED MEN	SALEM	000	000	000	017	017	0002	0003	035.21
		HOME FOR AGED WOMEN IN SALFM	SALEM	000	000	000	035	035	0004	0006	092.10
		IVY MANOR REST HOME	SALEM	000	000	000	017	017	0000	0000	100.00
62	RH			0	0	0	119	119	17	23	069.09
	SNF-ICF	TWIN OAKS NURSING HOME, INC.	DANVER	065	036	000	000	101	0104	0102	095.85
		LIBERTY PAVILION NURSING HOME	DANVERS	080	080	000	000	160	0097	0058	098.45
		DEVEREUX NURSING HOME	MARBLEHEAD	032	032	000	000	064	0078	0081	095.21
		LAFAYETTE CONVALESCENT HOME	MARBLEHEAD	031	031	000	000	062	0053	0052	097.48
62	SNF-ICF			208	179	0	0	387	332	293	097.08

LICENSED BFDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC TOTAL	ADMISS-IONS	DIS-CHARGES	OCCUP RATE
62	SNF-ICF-RH	CEDAR GLEN NURSING HOME	DANVERS	040	036	000	024	100	0059	0045	092.89
62	SNF-ICF-RH			40	36	0	24	100	59	45	092.89
62				390	442	0	143	975	756	716	093.19
63	SNF	ABRINT HOUSE NURSING HOME JOSEPH R DEVLIN PMI	LYNN LYNN	047 054	000 000	000 000	000 000	047 054	0046 0047	0047 0047	096.19 093.74
63	SNF			101	0	0	0	101	93	94	094.88
ICF		ALBA NURSING HOME INC ALDEN MANOR NURSING HOME AVALON NURSING HOME CRESTVIEW MANOR NURS INC LAWRENCE MANOR NURSING HOME PARISEAU NURSING HOME INC PHILLIPS NURSING HOME LYNNFIELD DANFORTH HOUSE NURSING HOME ROCKLEDGE MANOR NURSING HOME SAUGUS HILL NURSING HOME	LYNN LYNN LYNN LYNN LYNN LYNN LYNN LYNNFIELD NAHANT SAUGUS	000 000 000 000 000 000 000 000 000 000 000	039 062 031 031 042 031 025 016 043 026	000 000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000 000	039 062 031 031 042 031 025 016 043 026	0023 0046 0010 0018 0030 0010 0010 0006 0048 0016	0023 0047 0011 0019 0031 0008 0012 0003 0045 0016	095.77 092.51 098.70 096.44 094.97 098.33 097.63 071.58 094.57 096.72
63	ICF			0	346	0	0	346	219	215	094.42
RH		TOWNEY REST HOME BAKER MANOR REST HOME INC BRIGHTSIDE REST HOME FAMILY REST HOME KARLSON REST HOME LYNN HOME FOR ELDERLY PERSONS PINE HILL REST HOME LYNN SHORE REST HOME ATLANTIC REST HOME	LYNN LYNN LYNN LYNN LYNN LYNN LYNN LYNN LYNN	000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000	030 015 010 022 015 039 012 032 021	030 015 010 022 015 039 012 032 021	0016 0006 0000 0000 0003 0005 0008 0010 0008	0016 0006 0000 0017 0004 0002 0009 0009 0006	096.29 096.18 100.00 093.42 097.44 069.29 084.24 097.63 087.48
63	RH			0	0	0	0	196	74	69	088.07
SNF-ICF		LENEX HILL NURS & REHAB FAC JESMOND NURSING HOME LOUISE CAROLINE NURSING HOME NORTH SHORE CONVALESCENT HOME JEWISH REHAB CTR FOR THE AGED	LYNN NAHANT SAUGUS SAUGUS SWAMPSCOTT	160 029 038 050 040	056 028 042 050 040	000 000 000 000 000	000 000 000 000 000	216 057 080 100 080	0211 0038 0078 0038 0022	0202 0042 0077 0039 0025	096.66 098.31 095.82 097.56 097.47
63	SNF-ICF			317	216	0	0	533	387	385	097.05
ICF-RH		LYNN HOME AND INFIRMARY	LYNN	000	074	000	030	104	0015	0020	082.08
63	ICF-RH			0	74	0	30	104	15	20	002.08
63				418	636	0	226	1280	788	783	093.56
ICF		MACKENZIE NURSING HOME INC TUELL NURSING HOME ELMHURST NUR & RETIREMENT HOME	MELROSE MELROSE MELROSE	000 000 000	030 031 043	000 000 000	000 000 000	030 031 043	0022 0013 0041	0030 0014 0037	092.21 098.68 094.96

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IIIA	LEV IV	LIC BEDS TOTAL	ADMIS- SIONS	DIS- CHARGES	OCCUP RATE
64	ICF	DANIEL'S NURSING HOME	READING	000	031	000	000	031	0013	0018	094.94
		ARNOLD HOUSE NURSING HOME	STONEHAM	000	020	000	000	020	0023	0021	087.21
		SUNSHINE NURSING HOME	STONEHAM	000	033	000	000	033	0020	0019	095.74
		FOREST MANOR NURSING HOME	WAKEFIELD	000	039	000	000	039	0017	0014	094.87
		GREENWOODS NURSING HOME	WAKEFIELD	000	036	000	000	036	0013	0014	097.46
		GUARDIAN NURSING HOME	WAKEFIELD	000	025	000	000	025	0011	0011	098.85
		KIRKWOOD HOUSE INC.	WAKEFIELD	000	034	000	000	034	0025	0030	096.28
64	ICF			0	322	0	0	322	198	208	095.47
	RH	NUSTERMAN REST HOME	MELROSE	000	000	000	020	020	0005	0007	082.62
		THE FITCH HOME INC.	MELROSE	000	000	000	037	037	0001	0001	051.97
		READING REST HOME	READING	000	000	000	026	026	0026	0026	
		HOME FOR AGED PEOPLE	STONEHAM	000	000	000	011	011	0003	0003	066.10
		ELIZABETH E HOIT HOME	WAKEFIELD	000	000	000	011	011	0006	0005	090.21
		NUSTERMAN'S REST HOME	WAKEFIELD	000	000	000	019	019	0010	0008	086.49
64	RH			0	0	0	124	124	51	50	071.38
	SNF-ICF	MIDDLESEX FIELDS NURSING HOME	MELROSE	057	049	000	000	106	0100	0106	093.79
		KANE NURSING HOMES INC.	MELROSE	042	038	000	000	080	0336	0315	095.96
		GREEN GROVE CONVALESCENT HOME	NORTH READING	049	052	000	000	101	0072	0035	095.55
		GREENVIEW MANOR NURSING HOME	WAKEFIELD	048	058	000	000	106	0101	0101	095.81
64	SNF-ICF			196	197	0	0	393	609	557	095.23
64				196	519	0	124	839	858	815	092.42
65	ICF	PARKWAY MANOR NURSING HOME	EVERETT	000	059	000	000	059	0060	0058	093.24
		ROBERT APPLETON NURSING HOME	EVERETT	000	032	000	000	032	0015	0015	099.90
		HARLETT MANOR NURSING HOME	MALDEN	000	041	000	000	041	0010	0011	098.43
		BUCHANAN NURSING HOME INC	MALDEN	000	035	000	000	035	0005	0005	098.98
		CARE WELL MANOR NURSING HOME	MALDEN	000	024	000	000	024	0009	0009	098.48
		CHURCHWILL NURSING HOME INC	MALDEN	000	018	000	000	018	0010	0010	094.99
		FORESTDALE NURSING HOME	MALDEN	000	070	000	000	070	0041	0040	095.90
		SUNSHINE MANOR NURSING HOME	MALDEN	000	027	000	000	027	0002	0002	098.55
		MALDEN NURSING HOME	MALDEN	000	053	000	000	053	0031	0031	096.09
		MANSION NURSING HOME	MALDEN	000	030	000	000	030	0027	0024	098.39
		MCFADDEN MEMORIAL MANOR	MALDEN	000	065	000	000	065	0010	0018	097.22
		EMERY RETIR. AND CONV. HOME	MEDFORD	000	032	000	000	032	0028	0026	098.55
		MAGOUN MANOR NURSING HOME	MEDFORD	000	033	000	000	033	0020	0019	098.13
		MARY ANN NURSING HOME	MEDFORD	000	014	000	000	014	0007	0010	099.09
		MEDFORD CONVALESCENT HOME	MEDFORD	000	031	000	000	031	0003	0003	098.71
		MYSTIC MANOR NURSING HOME	MEDFORD	000	032	000	000	032	0020	0024	093.66
		NEWELL NURSING HOME	MEDFORD	000	036	000	000	036	0019	0009	096.46
		C & J NURSING AND CONVAL. HOME	MEDFORD	000	036	000	000	036	0019	0017	091.04
65	ICF			0	668	0	0	668	336	331	096.97
	RH	DAVENPORT MEMORIAL HOME	MALDEN	000	000	000	020	020	0002	0000	090.10
65	RH			0	0	0	20	20	2	0	090.10

LICENSED BEDS AND SELECTED UTILIZATION
MASSACHUSETTS NURSING AND REST HOMES--1976

HSA	FACILITY TYPE	FACILITY NAME	CITY/TOWN ADD.	LEV I/II	LEV III	LEV IV	LEV V	LEV VI	LEV VII	LEV VIII	LEV IX	LIC BEDS TOTAL	ADMS- SIONS	DIS- CHARGES	OCCUP RATE
65	SNF-ICF	WUDDLAWN MANOR NURSING HOME DEXTER HOUSE CONVL. HOME	EVERETT MALDEN	083 103	065 030	000 000	000 000	000 000	000 000	000 000	000 000	148 133	0095 0183	0086 0183	096.47 092.36
65	SNF-ICF			186	95	0	0	0	0	0	0	281	278	269	094.53
	ICF-RH	MALDEN HOME FOR AGED PERSONS	MALDEN	000	006	000	019	025	0001	0001	0001	025	0001	0001	086.37
65	ICF-RH			0	6	0	19	25	1	1	1	25	1	1	089.97
65				186	769	0	39	994	617	601	601	994	34590	32666	095.97
	TOTAL			14957	27376	554	8124	51011							093.49

RESIDENTIAL CARE FACILITIES

RESIDENTIAL CARE FACILITIES

The 351 residential care facilities in Massachusetts cross many lines of the health care delivery system. These facilities provide long-term care, acute care and mental health services to children and adults with special problems and conditions. Because of the wide variety in size, scope of services provided, and client characteristics, these facilities have been divided into five categories to allow for better assessment of the data. Detailed definitions of these facility types are available in the glossary.

Residential schools and treatment centers are the most traditional component of the health care system. The 96 facilities in the category represent 72% of the beds. The 9 state-operated facilities for the mentally retarded encompass 6507 beds (62%). Also included in this category are the large, well-known schools for children with special needs. The state facilities for the mentally retarded skew the data in this category, particularly in the area of length of stay and age and sex distribution of the population. Of the total population of residential schools, 36.7% is under age 18; however, if figures from the state institutions are excluded, 75.6% of the population is under age 18. The length of stay for all facilities is 590 days, but the average stay in the state operated facilities is 5722 days. Excluding the figures for the state institutions would produce an average stay of 230 days.

Eighty-three percent of residential schools and treatment centers provide educational services to their residents with their own staffs. These facilities are the most static component of the residential care group. During 1976 only 4288 admissions were made to these facilities. As the commitment to and process of deinstitutionalization grows, the overall population of these facilities will decrease. However, a certain portion of the population will always need the more intensive services delivered in this type of facility.

Group homes are the fastest growing segment of residential care facilities. The largest proportion (61% of the beds and 66% of the facilities) serve the mentally retarded. Although these facilities have grown over the past years, the extended lengths of stay in the facilities for the mentally retarded means that little turnover occurs and only a limited number of persons have access to such facilities.

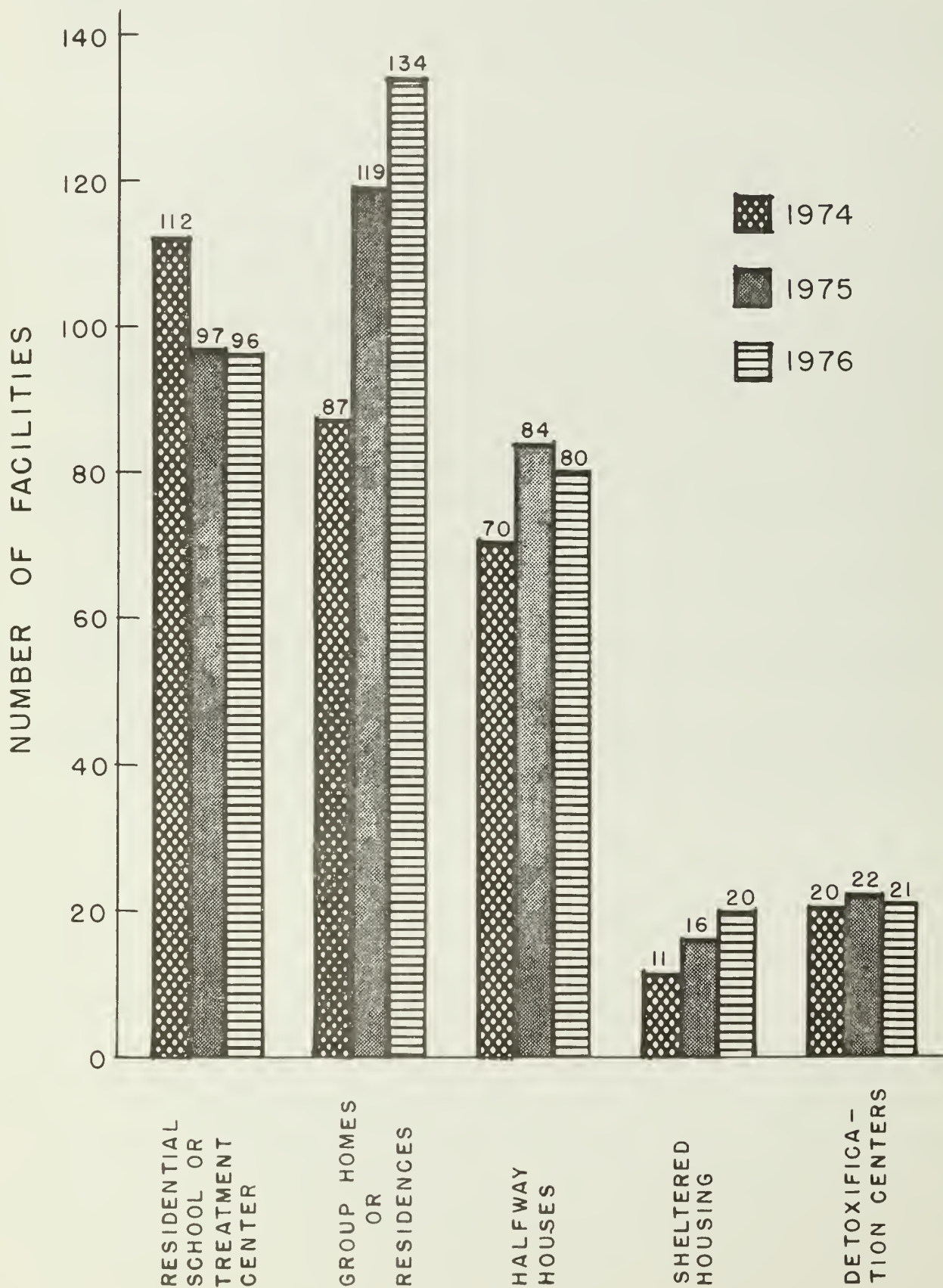
Halfway houses have shown little growth in Massachusetts. In most areas of the state utilization rates reflect no additional demand for these services.

Sheltered housing represents only a small portion of facilities but provides a valuable resource to those individuals needing supportive care but not on a 24-hour basis. The 13 facilities in this category which are designated for use by the mentally retarded and emotionally disturbed are in apartment settings.

Detoxification centers provide short-term detoxification to alcoholics and drug abusers. Therapy and/or more permanent supportive living arrangements may occur as a result of detoxification. Fifty-two percent of admissions to halfway houses during 1976 came from detoxification centers.

FIGURE 20

NUMBER OF RESIDENTIAL CARE FACILITIES BY TYPE
MASSACHUSETTS, 1974-1976



**UTILIZATION OF
Residential Schools or Treatment Centers
by HSA Subarea, 1976.**

Hsa	Subarea	# of Facilities	# of Admissions	# of Discharges	Operating Beds	Occupancy Rate	Length of Stay
I	1	5	117	75	291	90.45	711
	2	5	72	62	286	93.48	838
	3	9	980	1,017	2,061	83.79	582
II	1	6	119	121	346	93.71	940
	2	4	207	199	101	90.07	135
	3	4	154	140	140	94.25	233
III	1	1	35	33	30	44.19	131
	2	1	43	43	85	97.01	950
	3	3	97	83	120	80.72	246
IV	1	12	602	593	502	72.02	247
	2	3	312	301	102	83.59	66
	3	9	539	364	2,139	94.86	1,943
	4	1	16	42	1,233	88.99	4,124
	5	4	93	93	131	88.24	96
V	1	1	194	203	50	79.88	15
	2	1	204	173	47	89.78	36
	3	1	31	45	150	68.80	1,539
	4	2	44	88	1,371	99.92	3,934
	5	5	87	95	243	88.77	1,102
	6	2	46	34	49	79.41	369
VI	1	2	55	56	185	94.40	661
	2	4	105	71	402	74.45	594
	3	2	122	92	42	71.25	58
	4	2	77	55	62	65.50	205
	5	—	—	—	—	—	—
STATE TOTALS		96	4,849	4,575	10,451	86.47	590

SOURCE: Massachusetts Department of Public Health Residential Care Facilities Survey, 1976

TABLE 78

**UTILIZATION OF
Group Homes or Residences
by HSA Subarea, 1976.**

Hsa	Subarea	# of Facilities	# of Admissions	# of Discharges	Operating Beds	Occupancy Rate	Length of Stay
I	1	4	18	18	28	94.20	563
	2	5	32	10	49	78.42	709
	3	12	78	52	139	81.68	506
II	1	7	32	18	60	80.89	350
	2	6	60	44	51	79.21	189
	3	6	50	28	62	80.92	263
III	1	3	169	163	24	85.50	13
	2	3	14	7	35	87.30	481
	3	5	16	5	40	84.89	328
IV	1	17	87	59	241	79.70	318
	2	10	33	17	96	85.49	338
	3	12	65	41	94	78.75	303
	4	2	8	0	8	100.00	—
	5	10	71	34	100	90.61	451
V	1	1	—	—	8	100.00	0
	2	2	11	7	20	90.56	194
	3	1	5	2	40	94.09	1,314
	4	1	—	1	10	100.00	405
	5	5	37	17	49	88.07	824
	6	5	34	20	69	80.05	252
	7	5	56	22	32	98.79	337
VI	1	4	11	9	33	98.29	324
	2	3	9	5	30	86.25	418
	3	1	1	1	8	94.35	1,100
	4	3	29	14	81	96.96	164
	5	1	1	1	8	100.00	230
STATE TOTALS		134	927	595	1,415	80.40	276

SOURCE: Massachusetts Department of Public Health Residential Care Facilities Survey, 1976

UTILIZATION OF
Halfway Houses
by HSA Subarea, 1976.

Hsa	Subarea	# of Facilities	# of Admissions	# of Discharges	Operating Beds	Occupancy Rate	Length of Stay
I	1	2	99	99	44	82.57	106
	2	5	137	111	79	77.01	175
	3	4	194	188	82	79.75	93
II	1	3	67	68	35	86.85	88
	2	2	217	197	75	91.81	45
	3	—	—	—	—	—	—
III	1	1	128	120	23	92.94	53
	2	2	110	81	29	80.55	61
	3	1	74	73	12	99.11	51
IV	1	29	2,708	2,611	595	91.28	61
	2	6	145	139	88	90.18	127
	3	4	167	161	57	93.87	102
	4	—	—	—	—	—	—
	5	1	58	42	20	73.22	56
V	1	2	108	99	33	91.11	59
	2	2	182	181	37	88.97	65
	3	1	66	53	14	69.30	0
	4	1	99	100	21	94.51	80
	5	2	161	158	34	98.26	63
	6	4	108	109	57	92.79	82
	7	4	380	360	71	91.61	51
VI	1	—	—	—	—	—	—
	2	1	4	3	8	72.77	141
	3	1	18	11	12	66.83	151
	4	—	—	—	—	—	—
	5	2	102	104	45	87.25	86
STATE TOTALS		80	5,332	5,068	1,471	86.64	68

SOURCE: Massachusetts Department of Public Health Residential Care Facilities Survey, 1976

TABLE 80

UTILIZATION OF
Sheltered Housing
by HSA Subarea, 1976.

Hsa	Subarea	# of Facilities	# of Admissions	# of Discharges	Operating Beds	Occupancy Rate	Length of Stay
I	1	1	9	0	17	98.70	0
	2	—	—	—	—	—	—
	3	—	—	—	—	—	—
II	1	1	10	1	10	42.00	16
	2	4	794	768	113	68.48	29
	3	—	—	—	—	—	—
III	1	1	128	120	23	92.94	53
	2	—	—	—	—	—	—
	3	—	—	—	—	—	—
IV	1	7	88,437	2,983	419	—	19
	2	2	9	5	19	75.85	150
	3	1	8	3	16	87.11	72
	4	1	5	0	5	100.00	—
	5	—	—	—	—	—	—
V	1	—	—	—	—	—	—
	2	—	—	—	—	—	—
	3	—	—	—	—	—	—
	4	1	12	12	6	98.36	142
	5	—	—	—	—	—	—
	6	—	—	—	—	—	—
VI	1	—	—	—	—	—	—
	2	2	2	1	8	87.37	442
	3	—	—	—	—	—	—
	4	—	—	—	—	—	—
	5	—	—	—	—	—	—
STATE TOTAL		20	89,286	3,773	613	77.76	22

SOURCE: Massachusetts Department of Public Health Residential Care Facilities Survey, 1976

UTILIZATION OF
Detoxification Centers
by HSA Subarea, 1976.

Hsa	Subarea	# of Facilities	# of Admissions	# of Discharges	Operating Beds	Occupancy Rate	Length of Stay
I	1	1	957	932	12	83.97	4
	2	—	—	—	—	—	—
	3	2	6,179	6,164	50	97.75	14
II	1	1	1,881	1,868	19	100.00	5
	2	1	3,078	3,079	32	91.13	3
	3	—	—	—	—	—	—
III	1	1	1,678	1,680	20	89.81	4
	2	1	2,266	2,266	20	92.00	3
	3	—	—	—	—	—	—
IV	1	6	13,594	13,570	156	87.21	4
	2	1	1,885	1,892	20	97.56	4
	3	2	4,080	4,070	56	89.60	4
	4	—	—	—	—	—	—
	5	1	1,668	1,668	20	97.59	4
V	1	—	—	—	—	—	—
	2	1	2,051	2,038	20	96.00	3
	3	—	—	—	—	—	—
	4	—	—	—	—	—	—
	5	—	—	—	—	—	—
	6	—	—	—	—	—	—
	7	1	2,224	2,224	20	94.74	3
VI	1	—	—	—	—	—	—
	2	1	2,420	2,390	30	100.00	3
	3	—	—	—	—	—	—
	4	—	—	—	—	—	—
	5	—	—	—	—	—	—
STATE TOTALS		21	43,961	43,841	475	91.97	5

SOURCE: Massachusetts Department of Public Health Residential Care Facilities Survey, 1976

TABLE 82

**SOURCES OF ADMISSION TO RESIDENTIAL CARE
FACILITIES IN MASSACHUSETTS, 1976**

SOURCE OF ADMISSION		TYPE OF FACILITY					ALL FACILITIES
		RESIDENTIAL SCHOOL OR TREATMENT CENTER	GROUP HOME OR RESIDENCE	HALFWAY HOUSES	SHELTERED HOUSING ¹	DETOXI- FICATION CENTER	
PRIVATE HOMES	NO.	1,755	179	536	443	13,273	16,186
	%	41.0	19.3	10.0	11.5	37.5	32.6
ACUTE HOSPITALS	NO.	11	6	138	51	6,798	7,004
	%	0.3	0.6	2.6	1.3	19.3	14.1
DETOXIFI- CATION CENTERS	NO.	284	0	2,779	44	377	3,484
	%	6.6	—	52.1	1.1	1.1	7.0
COMMUNITY GROUP LIVING ARRANGEMENTS	NO.	78	129	192	182	2,424	3,005
	%	1.8	14.0	3.6	4.7	6.9	6.1
CORREC- TIONAL INSTITUTIONS	NO.	358	7	331	0	1,059	1,755
	%	8.3	0.7	6.2	—	3.0	3.5
PSYCHIATRIC HOSPITALS	NO.	240	107	371	22	277	1,017
	%	5.6	11.6	6.9	0.6	0.8	2.0
RESIDENTIAL SCHOOL TREAT- MENT CENTERS	NO.	162	227	56	33	389	867
	%	3.8	24.5	1.0	0.7	1.1	1.3
CHRONIC HOSPITALS	NO.	32	2	94	0	18	146
	%	0.7	0.2	1.8	—	0.1	0.3
NURSING OR REST HOMES	NO.	10	13	15	4	40	82
	%	0.2	1.4	0.3	0.1	0.1	0.2
OTHER	NO.	934	254	766	2,619	9,784	14,357
	%	21.8	27.4	14.3	68.1 ²	27.7	28.9
UNKNOWN	NO.	424	3	64	448	856	1,795
	%	9.9	0.3	1.2	11.7	2.4	3.6
TOTAL	NO.	4,288	927	5,342	3,846	35,295	49,698
	%	100.0	100.0	100.0	100.0	100.0	100.0

¹ Figures are low in this facility type because of one facility's inability to report breakdowns.

² The large percentage of admissions to sheltered housing from the "other" category is due to individuals remanded from juvenile detention centers before disposition of their cases.

SOURCES: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

**DESTINATION OF DISCHARGES FROM RESIDENTIAL CARE
FACILITIES IN MASSACHUSETTS, 1976**

DESTINATION OF DISCHARGES		TYPE OF FACILITY					ALL FACILITIES
		RESIDENTIAL SCHOOL OR TREATMENT CENTER	GROUP HOME OR RESIDENCE	HALFWAY HOUSES	SHELTERED HOUSING ¹	DETOXI- FICATION CENTER	
PRIVATE HOMES	NO.	1,802	283	1,857	137	16,937	21,016
	%	45.1	47.5	36.7	4.6	42.6	40.1
COMMUNITY GROUP LIVING ARRANGEMENTS	NO.	243	59	290	814	4,331	5,737
	%	6.1	9.9	5.7	27.2	10.9	11.0
ELOPEMENT	NO.	82	2	236	0	1,819	2,139
	%	2.0	0.3	4.7	—	4.6	4.1
DETOXIFI- CATION CENTERS	NO.	76	0	1,015	57	50	1,198
	%	1.9	—	20.0	1.9	0.1	2.3
RESIDENTIAL SCHOOL TREAT- MENT CENTERS	NO.	146	23	21	14	887	1,091
	%	3.7	3.8	0.4	0.5	2.2	2.1
ACUTE HOSPITALS	NO.	16	1	29	7	998	1,051
	%	0.4	0.2	0.6	0.2	2.5	2.0
CHRONIC HOSPITALS	NO.	10	1	11	0	456	478
	%	0.2	0.2	0.2	—	1.1	0.9
PSYCHIATRIC HOSPITALS	NO.	75	27	91	10	178	381
	%	1.9	4.6	1.8	0.4	0.5	0.7
CORREC- TIONAL INSTITUTIONS	NO.	95	13	37	8	134	287
	%	2.4	2.2	0.7	0.3	0.3	0.5
NURSING OR REST HOMES	NO.	43	10	27	4	88	172
	%	1.1	1.7	0.5	0.1	0.2	0.3
DEATHS	NO.	66	3	14	6	1	90
	%	1.6	0.5	0.3	0.2	0.0	0.2
OTHER	NO.	994	131	255	1,421	11,993	14,794
	%	24.8	22.0	5.0	47.4 ²	30.2 ³	28.2
UNKNOWN	NO.	352	42	1,185	517	1,899	3,995
	%	8.8	7.1	23.4	17.2	4.8	7.6
TOTAL	NO.	4,000	595	5,068	2,995	39,771	52,429
	%	100.0	100.0	100.0	100.0	100.0	100.0

¹ Figures are low in this facility type because of one facility's inability to report breakdowns.

² A large portion of the "other" category for sheltered housing is accounted for by individuals who are returned to the courts for disposition of their cases.

³ The large number of "other" discharges from detoxification centers is primarily composed of individuals who return "to the street".

TABLE 84

**DISCHARGES BY LENGTH OF STAY IN RESIDENTIAL CARE
FACILITIES IN MASSACHUSETTS, 1976**

LENGTH OF STAY		TYPE OF FACILITY					
		RESIDENTIAL SCHOOL OR TREATMENT CENTER	GROUP HOME OR RESIDENCE	HALFWAY HOUSES	SHELTERED HOUSING ¹	DETOXIFICATION CENTER	ALL FACILITIES
1 Month or Less	NO.	2157	215	2135	2697	43841	51045
	%	47.1	36.1	42.1	71.5	100.0	88.2
More Than 1 Month But Less Than 6 Months	NO.	988	104	2240	987	0	4319
	%	21.6	17.5	44.1	26.2	—	7.5
6 Months to 1 Year	NO.	396	73	506	60	0	1035
	%	8.7	12.3	9.9	1.6	—	1.8
1 to 2 Years	NO.	355	113	140	17	0	625
	%	7.8	19.0	2.8	0.4	—	1.1
2 Years or More	NO.	679	90	55	12	0	836
	%	14.8	15.1	1.1	0.3	—	1.4
TOTAL ²	NO.	4575	595	5076	3773 ¹	43841	57860

¹ Figures are low in this facility type because of one facility's inability to report breakdowns.

² Totals may be lower than total discharges for the state because of a few facilities' inability to report breakdowns.

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

TABLE 85

**PRIMARY POPULATION SERVED BY RESIDENTIAL CARE FACILITIES
1976**

		RESIDENTIAL SCHOOL	HALFWAY HOUSES	GROUP HOMES	DETOXIFICATION CENTER	SHELTERED HOUSING	TOTALS
BLIND	# Fac.	2	0	0	0	0	2
	# Beds	294					294
DEAF	# Fac.	3	0	0	0	0	3
	# Beds	309					309
EMOTIONALLY DISTURBED	# Fac.	31	30	17	0	8	86
	# Beds	1366	411	202		120	2099
MENTALLY RETARDED	# Fac.	17	1	88	0	5	111
	# Beds	6889	32	858		54	7833
OTHER NEURO- LOGICALLY HANDICAPPED	# Fac.	4	0	0	0	0	4
	# Beds	281					281
DEPENDENT CHILDREN	# Fac.	5	0	15	0	0	20
	# Beds	275		175			450
UNWED MOTHERS	# Fac.	3	0	0	0	0	3
	# Beds	67					67
ALCOHOLICS	# Fac.	8	44	0	21	2	75
	# Beds	337	935		475	298	2045
DRUG ABUSERS	# Fac.	8	3	1	0	0	12
	# Beds	207	63	11			281
OTHER ¹	# Fac.	15	2	13	0	5	35
	# Beds	426	30	169		141	766
TOTALS	# Fac.	96	80	134	21	20	351
	# Beds	10451	1471	1415	475	613	14425

¹Other includes physical handicaps, multiple handicap, delinquent behavior, learning disability, epileptic, cerebral palsy, hyperactive, and offenders.

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

TABLE 86

**AGE AND SEX DISTRIBUTION OF THE RESIDENTIAL
CARE POPULATION IN MASSACHUSETTS – 1976**

AGE GROUP		TYPE OF FACILITY								
		RESIDENTIAL SCHOOL OR TREATMENT CENTER			GROUP HOME OR RESIDENCE			HALFWAY HOUSE		
		Male	Female	TOTAL	Male	Female	TOTAL	Male	Female	TOTAL
0-6	NO.	83	51	134	6	0	6	0	0	0
	%	1.6	1.3	1.5	0.8	0.0	0.5	0.0	0.0	0.0
7-17	NO.	2016	1190	3206	231	99	330	5	5	10
	%	38.2	31.0	35.2	31.4	17.9	25.6	0.4	1.8	0.7
18-20	NO.	413	320	733	41	38	79	35	29	64
	%	7.8	8.4	8.0	5.6	6.9	6.1	3.2	10.6	4.6
21-44	NO.	1915	1593	3508	311	304	615	627	152	779
	%	36.3	41.6	38.5	42.3	54.9	47.7	56.4	55.5	56.2
45-64	NO.	745	572	1317	128	104	232	416	83	499
	%	14.1	14.9	14.5	17.4	18.8	18.0	37.4	30.3	36.0
65 & OVER	NO.	100	108	208	19	9	28	28	5	33
	%	1.9	2.8	2.3	2.6	1.6	2.2	2.5	1.8	2.4
ALL AGES	NO.	5272	3834	9106	736	554	1290	1111	274	1385

**AGE AND SEX DISTRIBUTION OF THE RESIDENTIAL
CARE POPULATION IN MASSACHUSETTS – 1976 (con't)**

AGE GROUP		TYPE OF FACILITY								
		SHELTERED HOUSING			DETOXIFICATION CENTER			TOTAL ALL FACILITIES		
		Male	Female	TOTAL	Male	Female	TOTAL	Male	Female	TOTAL
0-6	NO.	12	2	14	0	0	0	101	53	154
	%	6.6	2.2	5.1	0.0	0.0	0.0	1.3	1.1	1.2
7-17	NO.	66	8	74	1	0	1	2319	1302	3621
	%	36.3	8.7	27.0	0.3	0.0	0.3	30.4	27.2	29.1
18-20	NO.	0	2	2	1	2	3	490	391	881
	%	0.0	2.2	0.7	0.3	4.9	0.8	6.4	8.2	7.1
21-44	NO.	56	41	97	183	24	207	3092	2114	5206
	%	30.8	44.6	35.4	53.7	58.5	54.2	40.5	44.1	41.9
45-64	NO.	46	35	81	139	14	153	1474	808	2282
	%	25.3	38.0	29.6	40.8	34.2	40.0	19.3	16.8	18.4
65 & OVER	NO.	2	4	6	17	1	18	166	127	293
		1.1	4.4	2.2	5.0	2.4	4.7	2.2	2.6	2.4
ALL AGES		182	92	274	341	41	382 ¹	7642	4795	12437

¹ Total is less than Census Total because of 1 facility's inability to break out age and sex.

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

TABLE 87

**DISABILITIES AND CONDITIONS OF THE RESIDENTIAL CARE POPULATION IN
MASSACHUSETTS, 1976**

TOTAL CENSUS	TYPE OF FACILITY										12437	
	9106		1290		1385		274		412			
DISABILITY OR CONDITION ¹	Residential School or Treat- ment Center		Group Home or Residence		Halfway Houses		Sheltered Housing		Detoxification Center		All Facilities	
	No. Patient	% Census	No. Patient	% Census	No. Patient	% Census	No. Patient	% Census	No. Patient	% Census	No. Patient	% Census
MENTALLY RETARDED	6162	67.7	801	62.1	287	20.7	61	22.3	3	0.7	7314	58.8
LEARNING DISABILITIES	4040	44.4	214	16.6	36	2.6	24	8.8	1	0.2	4315	34.7
EMOTIONALLY DISTURBED	1592	17.5	901	69.8	462	33.4	129	47.1	27	6.6	3111	25.0
EPILEPTIC	2455	27.0	145	11.2	41	3.0	10	3.6	6	1.5	2657	21.4
ALCOHOLIC RE- LATED PROBLEMS	286	3.1	93	7.2	1167	84.3	33	12.0	412	100.0	1991	16.0
DEPENDENT CHILDREN	1136	12.5	157	12.2	11	0.8	24	8.8	0	0	1328	10.7
MULTIPLY HANDICAPPED	896	9.8	45	3.5	1	0.1	6	2.2	0	0	948	7.6
HYPERACTIVE	760	8.4	73	5.7	16	1.2	0	0	4	1.0	853	6.9
PHYSICAL HANDICAPS	643	7.1	62	4.8	36	2.6	6	2.2	11	2.7	758	6.1
OTHER ²	3034	33.3	1037	80.4	621	44.8	138	50.4	90	21.8	4920	39.6

¹ Double-Counting is involved, because many patients have more than one disability.

² Includes blind, preadjudicated juveniles, delinquents, drug related problems, deaf, cerebral palsy, ex-offenders, adjudicated offenders, and unwed mothers.

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

**NUMBER AND PERCENT OF ALL RESIDENTIAL CARE FACILITIES
OPERATING SPECIALIZED SERVICES BY HEALTH SERVICE AREA**

SERVICES		HSA					
		I	II	III	IV	V	VI
DRUG ABUSE THERAPY	NO.	18	17	9	66	30	13
	%	38%	52%	56%	54%	61%	62%
GENERAL MEDICAL SERVICES	NO.	48	45	20	124	54	29
	%	87%	98%	95%	90%	100%	100%
FAMILY COUNSELING	NO.	36	40	16	112	43	25
	%	68%	87%	73%	82%	83%	86%
SHELTERED WORKSHOP	NO.	34	19	10	64	32	13
	%	71%	70%	67%	53%	76%	68%
PSYCHOLOGICAL AND PSYCHIATRIC THERAPY	NO.	44	42	19	119	50	29
	%	80%	91%	95%	87%	94%	100%
LEGAL COUNSELING	NO.	32	23	12	78	33	16
	%	62%	61%	63%	59%	69%	73%
PHYSICAL THERAPY	NO.	29	28	14	66	28	16
	%	56%	74%	78%	50%	58%	70%
SPEECH/HEARING THERAPY	NO.	34	30	14	78	38	18
	%	72%	73%	78%	61%	79%	78%
DAY CARE PROGRAM	NO.	27	11	4	43	21	12
	%	52%	35%	57%	35%	57%	60%
SPECIAL INDIVIDUAL EDUCATION	NO.	45	41	17	107	48	25
	%	88%	91%	85%	79%	91%	89%
GENERAL SCHOOLING	NO.	38	36	12	77	43	24
	%	76%	86%	80%	64%	86%	92%

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

TABLE 89

OWNERSHIP OF MASSACHUSETTS RESIDENTIAL CARE FACILITIES 1976

TYPE OF OWNERSHIP		RESIDENTIAL SCHOOL	HALFWAY HOUSES	GROUP HOMES	DETOXIFICATION CENTER	SHELTERED HOUSING	TOTALS
STATE GOVERNMENT	# Fac.	9	1	0	0	6	16
	# Beds	6507	12			193	6712
COUNTY GOVERNMENT	# Fac.	1	0	0	1	0	2
	# Beds	23			36		59
CITY GOVERNMENT	# Fac.	1	0	0	1	0	2
	# Beds	40			32		72
CHURCH OPERATED	# Fac.	5	2	6	2	3	18
	# Beds	321	44	74	39	79	557
NON-PROFIT CORPORATION	# Fac.	66	60	116	14	9	265
	# Beds	2991	1177	1150	336	321	5975
OTHER NON-PROFIT	# Fac.	2	10	4	0	0	16
	# Beds	59	144	24			227
INDIVIDUAL FOR PROFIT	# Fac.	1	5	4	0	1	11
	# Beds	30	56	58		4	148
PARTNERSHIP FOR PROFIT	# Fac.	0	0	1	0	0	1
	# Beds			8			8
CORPORATION FOR PROFIT	# Fac.	11	2	3	3	1	20
	# Beds	480	38	101	32	16	667
TOTALS	# Fac.	96	80	134	21	20	351
	# Beds	10451	1471	1415	475	613	14425

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

**SOURCES OF PAYMENT TO THE RESIDENTIAL CARE
FACILITIES POPULATION IN MASSACHUSETTS, 1976**

SOURCE OF PAYMENT		TYPE OF FACILITY					
		RESIDENTIAL SCHOOL OR TREATMENT CENTER	GROUP HOME OR RESIDENCE	HALFWAY HOUSE	SHELTERED HOUSING	DETOXI- FICATION CENTER	ALL FACILITIES
MASS. DEPT. OF PUBLIC WELFARE	NO.	1,203	270	626	66	0	2,165
	%	14.6	20.9	46.7	24.1	—	18.7
MASS. DEPT. OF MENTAL HEALTH	NO.	1,662	188	12	33	18	1,913
	%	20.1	14.6	0.9	12.0	4.4	16.5
FREE OF CHARGE	NO.	1,366	57	45	14	386	1,868
	%	16.5	4.4	3.4	5.1	93.7	16.1
MEDICAID	NO.	1,486	0	0	0	4	1,490
	%	18.0	—	—	—	1.0	12.9
PRIVATE WITH SOCIAL SECUR- ITY &/OR SSI	NO.	490	532	256	87	0	1,365
	%	5.9	41.3	19.1	31.7	—	11.8
MASS. DEPT. OF EDUCATION & LOCAL BOARDS	NO.	1,086	43	0	0	0	1,129
	%	13.2	3.3	—	—	—	9.8
PRIVATE RESOURCES	NO.	450	142	270	7	3	872
	%	5.5	11.0	20.2	2.6	0.7	7.5
OUT-OF-STATE GOVERNMENT AGENCIES	NO.	347	17	4	0	0	368
	%	4.2	1.3	0.3	—	—	3.2
MASS. DEPT. OF YOUTH SERVICES	NO.	94	32	5	64	0	195
	%	1.1	2.5	0.4	23.4	—	1.7
OTHER ¹	NO.	71	9	121	3	1	205
	%	0.9	0.7	9.0	1.1	0.2	1.8
TOTAL	NO.	8,255	1,290	1,339	274	412	11,570
	%	100.0	100.0	100.0	100.0	100.0	100.0

¹ Includes Massachusetts Department of Public Health

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

TABLE 91

**HEALTH MANPOWER PERSONNEL BY TYPE OF FACILITY
MASSACHUSETTS RESIDENTIAL CARE FACILITIES, 1976**

CATEGORY		RESIDENTIAL SCHOOL OR TREATMENT CENTER	GROUP HOME OR RESIDENCE	HALFWAY HOUSES	SHELTERED HOUSING	DETOXIFICATION CENTER	ALL FACILITIES
NURSING AIDES ORDERLIES ATTENDANTS	NO. ¹	2175.8	20.2	26.9	1.1	127.2	2351.2
	%	24.7	3.3	7.4	0.6	30.1	22.6
COUNSELORS	NO.	388.6	122.1	59.2	20.2	49.0	639.1
	%	4.4	20.0	16.4	10.6	11.6	6.2
LICENSED PRACTICAL NURSES	NO.	571.0	8.0	8.3	3.0	37.3	627.6
	%	6.5	1.3	2.3	1.6	8.8	6.0
ADMINISTRATORS/ ASST. ADMINI- STRATORS	NO.	315.0	91.8	86.0	19.7	33.1	545.6
	%	3.6	15.1	23.8	10.4	7.8	5.2
REGISTERED NURSES	NO.	322.2	4.2	3.2	3.9	90.7	424.2
	%	3.7	0.7	0.9	2.0	21.4	4.1
RECREATION THERAPISTS	NO.	202.9	3.1	0	0	0.2	206.2
	%	2.3	0.5	—	—	0.1	2.0
SOCIAL WORKERS	NO.	138.2	6.2	7.7	0	6.0	158.1
	%	1.6	1.0	2.1	—	1.4	1.5
PSYCHOLOGISTS	NO.	132.4	4.3	0.9	3.1	0	140.7
	%	1.5	0.7	0.2	1.6	—	1.4
OTHER HEALTH RELATED PERSONNEL ²	NO.	1473.9	127.3	54.6	10.7	22.7	1689.2
	%	16.8	20.9	15.1	5.6	5.4	16.3
OTHER NON- HEALTH RELATED PERSONNEL ¹	NO.	3081.0	221.8	115.2	128.6	56.8	3603.4
	%	35.0	36.4	31.8	67.6	13.4	34.7
TOTAL	NO.	8801.0	609.0	362.0	190.3	423.0	10385.3

¹Numbers are given in Full-Time Equivalents (FTE's). The number of FTE's is calculated by adding the number of full-time employees to the number obtained by dividing 40 hours into the total number of hours worked by part-time employees.

²Includes mental retardation specialists, occupational therapy assistants and aides, speech therapists, occupational therapists, physicians, physical therapy assistants and aides, and physical therapists.

³Includes dietetic technicians.

SOURCE: Massachusetts Department of Public Health
Residential Care Facilities Survey, 1976

OPERATING RESS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOW	OPER RESS	CEISSUS DAYS	OCUP RATE	ADMIS- STONS	DISCHARGE DAYS	NTS- CHARGE	AYER STAY
11	RES SCHOOL	VEPPEE HILLS NURSERY SCHOOL REPKSHIRE LARG TAST-VALEHEAD AVALON SCHOOL INC KOHRIOME SCHOOL INC RIVERBROOK SCHOOL	GRT. BARRINGTON LENOX MONTPEL NEA MARLBOROUGH STONGBRIDGE	0030 0113 0128 0020	008945 033243 040238 004818	077.39% 093.95% 094.69% 086.00%	0022 0048 0048 0000	005963 007319 040063 000000	0018 0017 0000 0000	0331 0431 1002
11	RES SCHOOL			201	00284	90.45%	114	53345	75	711
	HALFWAY HOUSE	GUILD FARM THE FIMS	MONTPEL STONGBRIDGE	0036 0008	012240 000819	093.15% 034.95%	0091 0008	009226 001209	0092 0007	0100 0186
11	HALFWAY HOUSE			44	13079	82.57%	99	10525	99	106
	GROUP HOME	REPKSHIRE VILLAGE INC FRANK CHILDREN'S HOME DANIEL'S HOUSE CORLEY HOUSE-REPK CO APC	SO FERGUSON PITTSFIELD PITTSFIELD PITTSFIELD	0045 0038 0008 0007	000919 002920 002884 002555	082.95% 100.00% 088.94% 100.00%	0005 0006 0007	000254 000000 009064 000419	0003 0000 0008 0007	0085 1133 0117
11	GROUP HOME			28	0283	94.20%	18	10139	18	563
	DETCH CTR	REPKSHIRE COUNTY DETOX CENTER	PITTSFIELD	0012	003678	083.97%	0957	003367	0032	0004
11	DETCH CTR			12	3678	83.97%	957	3367	932	4
	CONR APT	REPK CO APC SEMI-INDEP APTS	PITTSFIELD	0017	000323	098.70%		000000	0000	
11	CONR APT			17	4323	98.70%	0	0	0	0
11				302	119647	89.85%	1190	77376	1124	69
12	RES SCHOOL	COMMUNITY HOMES FOR CHILDREN OUR HOUSE INC CLARK SCHOOL FOR THE DEAF LYNDEN HILL SCHOOL BRANDON SCHOOL INC	EASTHAMPTON GREENFIELD NORTHAMPTON NORTHFIELD PETERSHAM	0008 0010 0202 0029 0037	002920 002665 035460 005273 011139	100.00% 073.01% 097.52% 084.57% 082.48%	0029 0018 0012 0012	000000 002665 03507 003870 011806	0000 0021 0025 0008 0008	0127 1340 0484 1487
12	RES SCHOOL			286	57457	93.48%	71	51938	62	838
	HALFWAY HOUSE	RIVERSTIDE INDUSTRIES, INC BEACON HOUSE ASHRAM-PSYCHIATRIC HALFWAY HS WATSON HOUSE BRIDGE STREET HOUSE	EASTHAMPTON GREENFIELD GREENFIELD NORTHAMPTON NORTHAMPTON	0032 0012 0010 0013 0012	010900 003605 002518 004522 000660	093.32% 082.31% 088.99% 095.30% 100.00%	0012 0052 0028 0039	005790 002319 009655 001671 000000	0009 0046 0020 0033 0000	0643 0050 0420 0051
12	HALFWAY HOUSE			79	22205	77.01%	131	19435	111	175
	GROUP HOME	FRANKLIN COUNTY ARC COOPERATIVE APARTMENTS THE HOUSE INC FRANKLIN CO ASSN FOR RET CIT RIVERSTIDE INDUSTRIES COMM RES	GREENFIELD GREENFIELD HADLEY TURNERS FALLS NORTHAMPTON	0007 0024 0004 0006 0008	001829 003128 001452 001984 002555	071.59% 070.83% 099.45% 090.59% 087.50%	0003 0004 0003 0001	001160 000000 001741 001635 002555	0003 0000 0003 0003 0001	0387 0580 0545 2555
12	GROUP HOME			49	10948	78.42%	11	7091	10	709

OPERATING REFS AND SELECTED UTILIZATION
WASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER REFS	RECEIVR DAYS	OCCUP RATE	ADMS- STOPS	DISCHARGE DAYS	CHRGES	NTS- AVER
										STAY
12	RES SCHOOL			414	90610	89.78%	213	74404	163	429
13	RES SCHOOL	RELCERTON STATE SCHOOL	RELCERTON	0750	269991	95.04%	0007	143167	0028	5827
		COMMUNITY HOMES FOR CHILDREN	RELCERTON	0006	002190	100.00%		000000	0000	
		WOMEN STATE HOSPITAL	PALMER	1041	294201	97.43%	0004	378309	0062	6102
		SPRINGFIELD HOME-WOMEN & CHILDREN	SPRINGFIELD	0017	006695	107.90%	0005	006310	0007	0901
		CUMMINGS MEMORIAL	SPRINGFIELD	0075	022464	92.06%	0716	015583	0710	0022
		WILLIAMS CHILDREN'S SERVICE INC	SPRINGFIELD	0015	004385	98.09%	0010	004141	0008	0394
		WARATON HOUSE INC	SPRINGFIELD	0025	006212	96.08%	0034	004169	0024	0160
		SALVATION ARMY SOCIAL SERV CTR	SPRINGFIELD	0072	013688	95.09%	0184	007292	0162	0004
		MRS LADY OF PROV CHILDREN'S CTR	W SPRINGFIELD	0060	010023	96.86%	0014	014004	0014	1003
13	RES SCHOOL			2061	438800	83.79%	940	592005	1017	582
		CRIP HALFWAY HOUSE	HOLYOKE	0008	002594	98.84%	0018	002251	0018	0125
		MAPLE HOUSE INC	HOLYOKE	0024	007506	95.64%	0033	007644	0034	0212
		HUNTINGTON HOUSE	HUNTINGTON	0012	003037	94.94%	0008	000582	0007	0083
		TEMPERANCE HOUSE	SPRINGFIELD	0038	002016	104.21%	0135	004969	0127	0055
13	HALFWAY HOUSE			82	22153	79.75%	194	17408	188	93
		SHELTONS COMMUNITY RESIDENCE	RELCERTON	0008	002920	100.00%		000000	0000	
		CHICOPPE RIVER CLUB RESIDENCE	CHICOPPE	0008	001132	93.77%		000000	0000	
		VILLAGE HOUSE	CHICOPPE	0008	002752	94.25%	0002	001308	0002	0654
		LINDEN HOUSE	HOLYOKE	0008	001518	95.99%	0008	000917	0001	0017
		SUNSHINE HOUSE	HOLYOKE	0008	002920	100.00%		000000	0000	
		CORSET HOUSE-SPRINGFIELD GROUNDWILL	SPRINGFIELD	0006	001669	97.21%	0002	000596	0002	0298
		DOWNEY SIDE HOMES INC	SPRINGFIELD	0054	016479	93.61%	0036	021330	0039	0547
		HANCOCK HOUSE	SPRINGFIELD	0008	000548	94.67%		000000	0000	
		HARDEN COUNTY APC	SPRINGFIELD	0008	001158	97.53%		000000	0000	
		INGERSOLL GROVE HOUSE	SPRINGFIELD	0008	002920	100.00%	0002	000804	0002	0402
		PARK PLACE COMMUNITY RESIDENCE	SPRINGFIELD	0008	002920	100.00%	0006	002140	0005	0028
		GEORGE W MARTIN HOUSE	WESTFIELD	0007	002555	100.00%	0003	000136	0001	0134
13	GROUP HOME			139	39491	81.68%	59	26331	52	506
		ALC INTERVENTION & DETOX INC	HOLYOKE	0020	007207	99.72%	2761	076914	2747	0028
		ALC DETOX CTR GTR SPRINGFIELD	SPRINGFIELD	0030	010633	99.11%	3418	010807	3017	0003
13	DETOX CTR			50	17840	97.75%	6179	87723	6164	14
13	DETOX CTR			2332	718333	83.81%	7412	723597	7421	98
21	RES SCHOOL			0044	015622	99.27%	0009	013301	0011	1209
		STETSON HOME INC	BARRE	0017	006164	99.34%	0008	002404	0005	0081
		REF CHILDREN'S CENTER	LANCASTER	0103	032635	96.81%	0009	038619	0011	3511
		DOCTOR FRANKLIN PERKINS SCHOOL	LANCASTER	0026	009062	95.40%	0021	008295	0024	0346
		DIAGNOSTIC CTR-WELLINGTON HALL	LANCASTER	0112	040108	99.11%	0035	040824	0035	1047
		DEVEREUX SCHOOL	RUTLAND	0044	013044	99.63%	0037	010325	0031	0333
		PROTESTANT YOUTH CENTER	BALDWINVILLE							
21	RES SCHOOL			346	116635	93.71%	119	113768	121	940

OPERATING BEDS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1974

MSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER BDS	CE DAYS	OC RATE	ADTS STAYS	DISCHARGE DAYS	DIS- CHARGES	AVER STAY
21	HALF-WAY HOUSE	PIFARAY HOUSE PATHWAY WHITE WAGON HALF-WAY HOUSE	FITCHBURG GARDNER GARDNER	0010 0017 0008	003332 005563 002830	991.29% 989.65% 977.60%	0006 0040 0001	001154 014514 000279	0007 0058 0004	0165 0078 0093
21	HALF-WAY HOUSE			35	11729	86.85%	67	5977	64	88
	GROUP HOME	CHESTNUT ST COMMUNITY RESID MALE ADULT HOME FITCHBURG COMMUNITY RESIDENCE GARDNER-ATHOL AREA VHA GARDNER ATHOL W. ASSY COMM RES LEWISTON COMMUNITY RESIDENCE QINGF HOUSE	CLINTON FITCHBURG FITCHBURG GARDNER GARDNER LEWISTON LEWISTON	0008 0009 0004 0009 0010 0008 0004	002190 001204 003034 001386 003170 002894 002438	975.00% 945.50% 972.34% 975.84% 984.85% 990.11% 93.10%	0008 0001 0000 0000 0005 0002 0001	000000 001803 001930 000004 000965 000654 002835	0000 0003 0001 0001 0007 0001 0012	0000 0201 0450 0004 0134 0054 0029
21	GROUP HOME			60	16618	80.89%	24	6301	18	350
	DETOX CTR	N CENTRAL DETOX CENTER	LEWISTON	0019	006935	100.00%	1881	009340	1888	0005
21	DETOX CTR			19	6035	100.00%	1881	9840	1888	5
	SHELTER HOUSE	SHELTERED APARTMENTS	LEWISTON	0010	001533	642.55%	0010	000014	0001	0014
21	SHELTER HOUSE			10	1533	42.00%	10	14	1	16
21				070	153400	90.67%	2103	155302	2174	65
22	RES SCHOOL	MCARLEY NAZARETH HOME FOR BOYS FATH INC MARIAC WASHB MOUNT ST ANNI	LEWISTON WORCESTER WORCESTER WORCESTER	0004 0012 0011 0032	013117 003408 003271 011108	992.15% 977.81% 981.47% 984.54%	0022 0042 0051 0092	000899 003010 002720 011173	0019 0034 0051 0093	0021 0080 0053 0126
22	RES SCHOOL			101	30900	90.07%	207	24802	199	135
	HALF-WAY HOUSE	CATHOLIC CHARITIES CENTER CROZIER HOUSE	WORCESTER WORCESTER	0052 0023	017156 007975	991.59% 995.00%	0158	005743	0120 0068	0045
22	HALF-WAY HOUSE			75	25131	91.81%	138	5743	197	45
	GROUP HOME	THE FIRST FIVE STEPS INC. COME-ALIVE INC--NORTON ST HOME WOODLAND ST GROUP HOME ANKER HOUSE INC MAARC RESIDENTIAL HOMES INC INNER LIVING FOR RETARDED	SHREWSBURY WORCESTER WORCESTER WORCESTER WORCESTER WORCESTER	0010 0008 0012 0011 0010	002811 000138 003982 003280 003600	977.01% 934.70% 990.91% 981.69% 998.43%	0012 0004 0036 0005 0003	001404 000028 004545 000862 001480	0000 0001 0023 0004 0005	0156 0024 0198 0144 0370
22	GROUP HOME			51	13811	79.21%	60	8319	44	189
	DETOX CTR	ALCOHOLISM AID STATION	WORCESTER	0032	010644	991.13%	3078	010488	3078	0003
22	DETOX CTR			32	10644	91.13%	3078	10488	3079	3
	SHELTER HOUSE	SAUVATION ARMY SOCIAL SERV CTR WORCESTER SECURE TREATMENT FAC	WORCESTER WORCESTER	0058 0024	016353 006551	981.46% 974.78%	0156 0030	013410 004290	0149 0014	0090 0268

WQA	FAC TYPE	FACILITY NAME	CTIV/TOWN	OPFR	CEASRS	OCCLUP	ADVIS-	DISCHARGE	NTS-	AYER
222	SHELT HOUSE	Y-PCA SHELTER CARE UNIT	WORCESTER	0015	003461	063.22%	0593	003461	0593	0006
222	SHELT HOUSE			97	26365	74.47%	179	21161	754	28
222	GROUP APT	PROLIFCT INDEPENDENCE	WORCESTER	0016	002189	032.19%	0015	001298	0010	0130
222	GROUP APT			16	2149	32.19%	15	1298	10	130
222				372	100044	82.32%	4277	73811	4247	17
223	RES SCHOOL	SPECTOLIAN INC	WORCESTER	0050	016732	091.64%	0073	017952	0067	0268
223		LENGER SCH & RES TREATMENT CTR	WORCESTER	0040	013300	091.10%	0023	000000	0000	0397
223		VALLEY VIEW FARM INC	WORCESTER	0030	000075	100.00%	0053	007151	0055	0136
223		WADSWORTH HOUSE INC.	WORCESTER	0020	007287	009.92%	0053	007076	0055	0136
223	RES SCHOOL			140	45394	94.25%	149	32579	140	233
223	GROUP HOME	WILFORD HOUSE	WILFORD	0012	004105	093.72%	0063	003760	0060	0940
223		WILFORD HOUSE	WILFORD	0012	003650	083.53%	0013	002100	0010	0150
223		WORTHINGTON HOUSE	WORTHINGTON	0011	004015	100.00%	0000	000242	0002	0121
223		WORTHINGTON CITY REHAB	WORTHINGTON	0010	000091	030.33%	0014	000000	0005	0219
223		SOUTHBRIDGE	SOUTHBRIDGE	0010	002769	083.15%	0010	001097	0005	0050
223		WANTON ST COMMUNITY RESID	WANTON	0007	001413	096.12%	0010	000151	0005	0050
223	GROUP HOME	COOPERATIVE APARTMENTS	WANTON	62	16043	80.92%	44	7350	28	263
223	DETEN CTR	GRAY ROCK INN INC	NORWICH	0	0	0	0	0	0	0
223	DETEN CTR			202	61437	90.10%	193	39929	168	238
31	RES SCHOOL	SHORE INC-CANARASTS HOUSE	NORWICH	0030	004839	044.19%	0035	004430	0033	0131
31	RES SCHOOL			30	4839	44.19%	35	4330	33	131
31	HALFWAY HOUSE	LOWELL HOUSE INC.	LOWELL	0023	007402	002.94%	0128	006363	0120	0053
31	HALFWAY HOUSE			23	7802	92.94%	128	6363	120	53
31	GROUP HOME	GLARC COMMUNITY RESISTENCE	NORWICH	0008	002740	093.97%	0003	000151	0002	0076
31		SHORE EMERGENCY SHELTER	NORWICH	0008	001933	066.20%	0143	001900	0161	0012
31		WENS RESISTENCE	LOWELL	0008	002189	093.71%	0000	000000	0000	0000
31	GROUP HOME			24	6866	85.50%	166	2051	163	13
31	DETEN CTR	LOWELL GEN HOSP ALC DETEN UNIT	LOWELL	0020	006556	089.41%	1678	006552	1680	0004
31	DETEN CTR			20	6556	89.81%	1678	6552	1680	4
31				97	26063	75.16%	2007	19296	1996	10
32	RES SCHOOL	ST ANNS HOME INC	WINTHROP	0005	029742	097.01%	0043	040849	0043	0950

OPERATING BEDS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER BEDS	CENSUS DAYS	OCCUP RATE	ADMISS- SIONS	DISCHARGE DAYS	NTS- CHARGES	AVER STAY
12	RES SCHOOL			85	29742	97.01%	43	40849	43	950
32	HALFWAY HOUSE	PROSPECT HOUSE	LAWRENCE	0014	003732	078.65%	0048	002624	0041	0064
		CHRIST IS THE ANSWER CENTER	LAWRENCE	0015	004500	082.19%	0062	002300	0040	0059
32	HALFWAY HOUSE			29	8232	80.55%	110	4964	81	61
	GROUP HOME	ANDOVER COMM FOR BETTER CHANGE	ANDOVER	0019	004480	090.69%	0006	003180	0006	0530
		FIDELITY HOUSE #2	ANDOVER	0008	000628	070.08%		000000	0000	
		FIDELITY HOUSE #1	LAWRENCE	0008	002817	096.47%	0001	000189	0001	0189
32	GROUP HOME			35	7925	87.30%	7	3369	7	481
	DETEN CTR	LAWRENCE GEN HOSP DETEN UNIT	LAWRENCE	0020	006716	092.00%	2266	006798	2266	0003
32	DETEN CTR			20	6716	92.00%	2266	6798	2266	3
32				169	52615	91.61%	2426	55980	2397	23
33	RES SCHOOL	MARRON SCHOOLS INC	AMESBURY	0070	022241	087.05%	0024	014882	0014	1063
		PHENIX EAST	HAVERHILL	0020	002097	030.24%	0068	002029	0062	0033
		TEINCA INC	MERRIMAC	0030	010724	097.94%	0005	003467	0007	0495
33	RES SCHOOL			120	35062	80.72%	97	20378	83	246
	HALFWAY HOUSE	LINK HOUSE INC	NEWBURYPORT	0012	004341	099.11%	0074	003701	0073	0051
33	HALFWAY HOUSE			12	4341	99.11%	74	3701	73	51
	GROUP HOME	LITTLE MISSIONARY SISTERS	GROVELAND	0007	002555	100.00%		000000	0000	
		DON ORTONE CENTER	BRADFORD	0009	003285	100.00%	0000	000730	0002	0365
		HIGHLAND PARK	HAVERHILL	0008	001823	075.21%	0008	000122	0002	0061
		COMMUNITY RESIDENCE	HAVERHILL	0008	002792	095.62%	0002	000787	0001	0787
		HAVERHILL/NEWBURYPORT W S	NEWBURYPORT	0008	000858	053.63%		000000	0000	
33	GROUP HOME			40	11313	84.89%	10	1639	5	328
33				172	50716	82.99%	181	25718	161	160
41	RES SCHOOL	BOS CTR FOR BLIND CHILDREN	BOSTON	0024	005222	059.61%	0002	001659	0001	1659
		ARMOR HOUSE	BOSTON	0035	011139	087.19%	0126	011010	0129	0085
		MATTAPAN REHABILITATION CENTER	MATTAPAN	0040	012134	069.29%	0128	005874	0128	0068
		CHILDREN IN CRISIS INC	DORCHESTER	0032	009662	082.72%	0030	010675	0024	0445
		CRITTENTON HASTINGS HOUSE	BOSTON	0036	006037	045.94%	0085	006412	0097	0066
		ITALIAN HOME FOR CHILDREN	JAMAICA PLAIN	0045	013700	083.41%	0016	016242	0027	0602
		NAPARETH CHILD CARE CENTER	JAMAICA PLAIN	0152	040725	073.40%	0064	000995	0027	0744
		NE HOME FOR LITTLE WANDERERS	BOSTON	0064	021797	093.31%	0016	026011	0045	0578
		COMMUNITY REHABILITATION CTR	DORCHESTER	0013	001474	041.99%	0010	002440	0020	0122
		ST MARY'S HOME	DORCHESTER	0020	002832	038.79%	0047	002802	0046	0061
		THIRD NAIL INC	BOSTON	0025	006935	076.00%	0058	002494	0035	0071
		POLLOCK SCHOOL INC	BROOKLINE	0016	000356	007.19%		000000	0000	0000

OPERATING REFS AND SELECTED UTILIZATION MASS RESIDENTIAL CARE FACILITIES--1974

MSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER REFS	CENSUS DAYS	OCCUP RATF	ADPTS- STONS	DISCHARGE DAYS	CHARGES	AVR STAY
41	RES SCHOOL			502	132013	72.02%	602	146614	593	247
41	HALFWAY HOUSE	INTERIM HOUSE INC.	DORCHESTER	001A	005572	084.81%	0104	004945	0094	0053
		SHERBORN HOUSE	DORCHESTER	0014	004895	095.79%	0026	004049	0025	0162
		TODAY FOUNDATION INC	S HASTON			X				
		HAMILTON HOUSE	DORCHESTER	0020	007101	097.27%	0106	008256	0103	0080
		CONLIDGE HOUSE	BOSTON	0030	007879	071.95%	0115	007406	0111	0067
		ETKINS-ALLSTON STREET HOUSE	BRIGHTON	0009	002865	087.21%	0006	000177	0003	0059
		BERKELEY HOUSE	BOSTON	0023	008389	099.93%	0028	008389	0028	0300
		FIRST INC	ROXBURY	0030	008920	081.46%	0060	005442	0054	0097
		JAMES F GAVIN HOUSE	S HASTON	0025	007839	085.91%	0078	008970	0078	0115
		VIRGINIA STREET HOUSE	DORCHESTER	0010	003176	087.01%	0024	003072	0018	0171
		GATEWAY HOUSE	ALLSTON	0025	007814	093.08%	0047	003592	0034	0106
		CENTER HOUSE INC	S HASTON	0021	007253	094.62%	0011	003377	0012	0281
		MOORE HOUSE	BOSTON	0080	030526	104.54%	0494	022008	0480	0046
		WOODWARD HOUSE	SC HASTON	0020	006766	092.68%	0133	005370	0111	0048
		E BOSTON DRUG ACTION COUNCIL	E HASTON	0018	005977	090.97%	0207	004786	0204	0023
		NORTH COTTAGE PROGRAM INC	DORCHESTER	0013	004869	095.28%	0095	004212	0095	0044
		FRANKLIN TERRACE	HYDE PARK	0009	002662	081.04%	0016	002231	0016	0139
		OPEN FAR ASSOCIATES	ROXBURY	0015	003966	072.44%	0079	007824	0084	0093
		PILOT HOUSE	S HASTON	0016	005071	086.83%	0110	003809	0094	0040
		690 HOUSE	BOSTON			X				
		REHABILITATION AND HEALTH, INC.	F HASTON	0045	016973	098.94%	0320	011702	0314	0037
		ST JUNE HOUSE	JAMAICA PLAIN	0026	007822	082.42%	0142	006280	0100	0063
		VICTORY HOUSE	BOSTON	0020	006321	086.59%	0145	006301	0131	0048
		VNA GIRLS RESIDENCE	JAMAICA PLAIN	0011	002577	064.18%	0006	002333	0007	0333
		VNA HELLO HOUSE	BOSTON	0025	006894	071.29%	0150	006420	0214	0030
		SENGWICK STREET	JAMAICA PLAIN	0011	002527	062.94%	0020	002842	0022	0129
		FLYNN CHRISTIAN FELL.HS.OF MA.	DORCHESTER	0036	013329	093.64%	0155	009042	0156	0058
		MRS JAMESI RESIDENCE	DORCHESTER	0010	003650	100.00%	0010	001460	0001	1460
		RUTLAND CORNER HOUSE-BROOKLINE	BROOKLINE	0015	004930	090.05%	0021	003729	0020	0186
41	HALFWAY HOUSE			595	196565	91.28%	2708	158024	2611	61
	GROUP HOME	DARE INC-DARE HOUSE	JAMAICA PLAIN	0008	002920	100.00%	0002	002929	0002	1465
		DARE INC-HILLSIDE HOUSE	ROXBURY	0008	002920	100.00%	0009	004742	0012	0395
		BAY COVE COMMUNITY RESIDENCE	DORCHESTER	0009	001323	042.49%	0008	000154	0001	0154
		SAVATION ARMY HARBOR LIGHT	BOSTON	0100	029728	081.45%	0005	000000	0005	0510
		VNA EDITH M.FOX HOME	JAMAICA PLAIN	0004	002701	092.50%	0002	002552	0003	0527
		VOI UNITEERS OF AMER ADOL HOVS	HYDE PARK	0004	001405	096.23%	0002	001581	0003	0042
		VOI OF AMER RESIDENCE	JAMAICA PLAIN	0008	002728	093.42%	0003	000042	0001	0096
		FORTUNE HOUSE	JAMAICA PLAIN	0008	002706	092.67%	0000	000991	0002	0096
		LENA PARK COMMUNITY DEV CORP	DORCHESTER	0008	002920	100.00%	0000	000000	0000	0000
		MORGAN MEMORIAL-TURNPIKE TOWER	BOSTON	0008	002153	073.73%	0006	001915	0007	0274
		COMM RESIDENCE FOR THE ELDFRLY	JAMAICA PLAIN	0010	001005	056.46%	0013	000483	0007	0069
		DARE INC TERRACE HOUSE	BROOKLINE	0008	002555	087.50%	0003	000110	0003	0370
		HUMANITY HOUSE	BROOKLINE	0011	003650	090.91%	0001	000635	0001	0635
		HILLTOP HOUSE	ALLSTON	0019	004788	069.04%	0029	000902	0012	0075
		CAREY AVE COMMUNITY RESIDENCE	ALLSTON	0008	002920	088.88%	0004	000707	0002	0403
		HARBOR AREA COMM RESIDENCE	REVERE	0009	002920	088.88%	0009	000000	0001	0001
		HARBOR AREA COMM RESIDENCE	WINTHROP	0007	002555	100.00%	0007	000000	0000	0000
41	GROUP HOME			241	68977	79.70%	85	18743	59	318

OPERATING REBS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1974

MSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER REBS	PERMITS DAYS	OCCLUP RATE	ADMTS- STAYS	DISCHARGE DAYS	CHRGES	AVPR STAY
41	DETOK CTR	BOSTON ALCOHOL DETOX PROJ INC	BOSTON	0056	015695	076.79%	4445	017780	4445	0004
		ANDREW JOHNSON ALC DETOX UNIT	BOSTON	0020	007300	100.00%	1962	007300	1962	0004
		KENMORE SO TREATMENT FACILITY	BOSTON	0020	006555	081.79%	1725	006403	1716	0004
		ANDREW HOUSE DETOX CENTER	BORCHESTER	0020	007202	094.66%	2135	007206	2135	0003
		ROXBURY ALC INTRVSN & DETOX	ROXBURY	0020	006100	084.79%	1562	006248	1551	0004
		RIVER STREET DETOXIFICATION CR	MATTAPAN	0020	006715	091.99%	1765	006866	1761	0004
41	DETOK CTR			156	40657	87.21%	13594	51803	13576	4
	SHELTER HOUSE	INTERFAITH INC	BOSTON	0008	002760	094.66%	0347	002756	0339	0008
		JUDGE CONNELLY YOUTH CENTER	ROSLINDALE	0035	012775	100.00%	1847	026384	1847	0015
		PINE STREET YTH	BOSTON	0240	087606	100.00%				
		TEMP HOME FOR WOMEN & CHILDREN	BOSTON	0052	005590	025.96%	0786	013006	0778	0017
41	SHELTER HOUSE			342	108720	87.10%	2080	44100	2084	15
	GROUP APT	RSH COOP APARTMENT PROGRAM	BOSTON	0058	011271	053.24%	3006	009271	0004	1159
		E J INFIRMARY MHC COOP APT PRNG	BOSTON	0011		%	0007	000890	0003	0297
		BRONKLINE COOPERATIVE APTS	BRONKLINE	0008	002765	094.69%	0010	002584	0008	0323
41	GROUP APT			77	14036	58.38%	17	12745	19	671
41				1913	569977	81.98%	19986	432069	19814	22
42	RES SCHOOL	ST ANNES SCHOOL	ARLINGTON HIGTS	0076	020160	082.38%	0032	011264	0033	0341
		DELTA HOUSE	CAMBRIDGE	0010	004538	095.89%	0251	005320	0251	0021
		ALPHA OMEGA	LITTLETON	0016	004767	081.63%	0029	003201	0017	0194
42	RES SCHOOL			102	29465	83.59%	312	19875	301	66
	HALFWAY HOUSE	CARPAR HOUSE--CAMBRIDGE	CAMBRIDGE	0018	006176	094.00%	0038	004080	0051	0080
		WELCHET PROJECT INC--2	CAMBRIDGE	0012	003468	070.18%	0011	002715	0006	0453
		RUTLAND CORNER HOUSE--CAMBRIDGE	CAMBRIDGE	0010	003169	086.82%	0016	003201	0014	0229
		WELCHET PROJECT INC	CAMBRIDGE	0012	003468	070.18%	0011	002715	0006	0453
		CARPAR HOUSE 3	SOMERVILLE	0017	003917	096.00%	0029	001280	0016	0080
		CARPAR HOUSE--SOMERVILLE	SOMERVILLE	0019	006727	097.00%	0040	003680	0046	0080
42	HALFWAY HOUSE			88	26925	90.18%	145	17671	139	127
	GROUP HOME	HOPK COTTAGE	BELMONT	0015	000276	040.00%		000000	0000	
		UNITED HOMES FOR CHILDREN	BURLINGTON	0003	001098	100.00%		000000	0000	
		DARE INC--HASTINGS HOUSE	CAMBRIDGE	0004	001333	091.30%	0004	001356	0004	0339
		MYSTIC VALLEY COMM-ADOL RESID	LFXINGTON	0035	012775	100.00%	0003	001460	0001	1460
		BETHANY-ORDER OF ST ANNE	LFXINGTON	0008	002621	089.76%	0002	000911	0002	0456
		MINUTE MAN COMMUNITY RESIDENCE	MAYNARD	0010	002875	087.52%	0012	000819	0007	0117
		SOMERVILLE DARE HOUSE	SOMERVILLE	0005	000732	079.57%	0003	000290	0002	0145
		PROSPECT HOUSE	SOMERVILLE	0008	001196	081.25%	0001	000910	0001	0910
		MONMOUTH STREET HOUSE	SOMERVILLE	0008	002928	100.00%		000000	0000	
42	GROUP HOME			96	25834	85.49%	25	5746	17	338

OPERATING REPS AND SELECTED UTILIZATION
MASS REHABILITATION CARE FACILITIES--1974

HSA	FAC TYPE	FACILITY NAME	CITY/TOWNSHIP	OPER REPS	CENSUS DAYS	OCCUP RATE	ADMISS- STONS	DISCHARGE DAYS	RTS- CHARGE	AVR STAY
42	DETOK CTR	CAM-BROOK ALC INTERVENTN CTR	SOMERVILLE	0020	007122	007.56%	1885	007564	1892	0004
42	DETOK CTR			20	7122	97.56%	1885	7544	1892	4
	SHELTER HOUSE	WINTHROP MAN' ARO	CONCORD	0004	001002	002.02%		000000	0000	
42	SHELTER HOUSE			4	1002	82.92%	0	0	0	-
	GROUP APT	CARCAP INC.	CAMBRIDGE	0013	003335	074.50%	0003	000750	0005	0150
42	GROUP APT			13	3335	74.50%	3	750	5	150
42				325	93443	87.22%	2370	51410	2354	22
43	RES SCHOOL	MARIONA HALL	MARLBOROUGH	0045	010414	002.68%	0062	021802	0067	0325
		MARIONA HALL DIAGNOSTIC CENTER	MARLBOROUGH	0012	003631	002.90%	0097	003578	0097	0037
		BRANDON SCHOOL	NATICK	0007	001244	006.06%	0007	000186	0002	0093
		WALKER HOME FOR CHILDREN	NEEDHAM	0035	012541	005.44%	0014	018162	0024	0099
		ALPHONSE REHABILITATION PROGRAM	WALTHAM	0023	007097	004.54%	0064	003567	0054	0066
		TARK REHABILITATION COMMUNITY	WALTHAM	0012	002793	005.02%	0014	000719	0007	0103
		WALTER F. FERNALD STATE SCHOOL	WALTHAM	1703	622325	100.00%	0013	625262	0074	0103
		PERKINS SCHOOL FOR THE BLIND	WATERBURY	0270	002274	009.06%	0262	033059	0037	0018
		PROTESTANT OUTLET FOR ALTHOUSES	WATERBURY	0012	000380	100.00%		000000	0000	
43	RES SCHOOL			2139	735929	94.86%	539	707235	364	1943
	HALFWAY HOUSE	HOSPITALITY HOUSE	HOPKINTON	0021	007500	007.85%	0060	005888	0060	0098
		SEVENTY HOUSE	NATICK	0008	001607	005.03%	0020	001021	0017	0060
		ALTERNATIVE HOME	NEWTOWNVILLE	0008	002267	077.64%	0008	002342	0005	0074
		HURLEY HOUSE INC	WALTHAM	0020	007215	008.84%	0079	007118	0079	0090
43	HALFWAY HOUSE			57	18589	93.87%	167	16409	161	102
	GROUP HOME	SWARC COMMUNITY RESIDENCE	FRAMINGHAM	0006	002190	100.00%	0004	001440	0003	0547
		SALEM END GROUP HOME	FRAMINGHAM	0012	003600	002.19%	0001	001090	0002	0545
		MOUNTAIN HOUSE	NEEDHAM	0008	002920	100.00%		000000	0000	
		FREEDPORT INC	NEWTOWN	0010	001642	004.99%	0013	000835	0010	0084
		JUNIPER HOUSE	NEWTOWN CORNER	0008	002920	100.00%		000000	0000	
		AUBURN HOUSE	NEWTOWN	0007	001556	000.90%	0004	004049	0005	0098
		WYATT VALLEY UNIT GROUP APT	WALTHAM	0004	001460	100.00%	0004	000015	0001	0015
		WALTHAM COMM FOR COMMUNITY RES	WALTHAM	0008	001222	001.45%	0005	000450	0003	0150
		DANA TERRACE COMM RESIDENCE	WATERBURY	0004	000968	004.20%		000000	0000	
		WOMEN'S RESIDENCE	WATERBURY	0008	002797	005.79%		000000	0000	
		WOMEN'S RESIDENCE	WATERBURY	0008	002843	008.73%		000000	0000	
		BRIDGE OF WESTBOROUGH INC	WESTBOROUGH	0009	002860	007.06%	0016	003888	0017	0229
43	GROUP HOME			94	27018	78.75%	49	12407	41	303
	DETOK CTR	GREATER FRAMINGHAM DETOX CTR	FRAMINGHAM	0020	007300	100.00%	2302	006906	2302	0003
		MIDDLESEX CO HOSP ALC TREATMENT	WALTHAM	0036	011014	003.82%	1778	011016	1768	0006
43	DETOK CTR			56	18314	89.60%	4080	17922	4070	4

OPERATING RESS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER REDS	CFMSUS DAYS	OCCLIP RATE	ADMTS- SIGN	DISCHARGE DAYS	OTS- CHARGES	AVER STAY
43	CONP APT	COOPERATIVE APARTMENTS	WATERTOWN	0016	005087	087.11%	0008	000215	0003	0072
43	CONP APT			16	5087	87.11%	A	215	3	72
43				2362	804937	94.36%	4843	754188	4839	163
44	RES SCHOOL	WRENTHAM STATE SCHOOL	WRENTHAM	1233	400516	088.99%	0016	173195	0042	4124
44	RES SCHOOL			1233	400516	88.99%	16	173195	42	4124
44	GROUP HOME	HARDING HOUSE INC SNCARC	MEDFELD SHARON	0008	002088	100.00%		000000	0000	
44	GROUP HOME			A	2088	100.00%	0	0	0	-
44	SHELTH HOU	50 NORFOLK CTY ASSOC RET CITY	NORWOOD	0005	001225	100.00%		000000	0000	
44	SHELTH HOU			5	1225	100.00%	0	0	0	-
44				1246	403829	88.79%	16	173195	42	4124
45	RES SCHOOL	PROJECT TURNABOUT SURVIVAL INC BOSTON SCHOOL FOR THE DEAF SUNLIGHT HOUSE	HINGHAM QUINCY RANDOLPH SCITUATE	0020 0010 0057 0044	005375 001800 009546 016303	073.63% 044.83% 093.04% 099.26%	0054 0039	003673 005214 000000 000000	0051 0042 0000 0000	0072 0124
45	RES SCHOOL			131	33024	88.24%	93	8887	93	96
45	HALFWAY HOUSE	SOUTH SHORE HALFWAY HOUSE	QUINCY	0020	004144	073.22%	0058	002355	0042	0056
45	HALFWAY HOUSE			20	4144	73.22%	58	2355	42	56
45	GROUP HOME	YOUTH RESOURCES INC UNITED HOMES FOR CHILDREN AMEGO, INC UNITED HOMES FOR CHILDREN CARDINAL CUSHING SCHOOL & TRAIN WINTHROP AVE COMM RESIDENCE S SHORE COMMUNITY RESIDENCE UNITED HOMES FOR CHILDREN UNITED HOMES FOR CHILDREN CUSHING HALL INC	BRAINTREE RANDOLPH HINGHAM MILLIS NORWELL QUINCY QUINCY RANDOLPH RANDOLPH SCITUATE	0011 0006 0005 0005 0006 0008 0008 0007 0004 0040	004015 000980 000615 001825 002190 002812 002627 002190 001095 013870	100.00% 044.75% 080.39% 100.00% 100.00% 096.30% 089.97% 085.71% 075.07% 095.00%	0000 0005 0000 0000 0023	002725 000000 000000 000000 000000 000000 003538 000910 001500 006650	0005 0000 0000 0000 0000 0000 0007 0001 0002 0019	0505 0505 0910 0750 0350
45	GROUP HOME			100	32219	90.61%	28	15323	34	451
45	DETOX CTR	QUINCY DETOXIFICATION CENTER	QUINCY	0020	007124	097.59%	1668	005838	1668	0004
45	DETOX CTR			20	7124	97.59%	1668	5838	1668	4
45				271	76511	88.69%	1847	32403	1837	18
51	RES SCHOOL	N COTTAGE PROGRAM-NORTON	NORTON	0050	014578	079.88%	0194	003045	0203	0015

OPERATING BEDS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER BEDS	CENSUS DAYS	OCCUP RATE	ADMISS- IONS	DISCHARGE DAYS	CHRGES	AVG STAY
51	RES SCHOOL			50	14578	79.88%	194	3045	203	15
51	HALFWAY HOUSE	ATTLERORD AREA HUMAN SERVICES SWEET HOUSE CTR FOR ALCOHOLICS	ATTLERORD	0015	005122	893.55%	0005	000366	0004	0092
				0018	005520	088.94%	0103	005493	0095	0054
51	HALFWAY HOUSE			33	10642	91.11%	108	5859	99	59
	GROUP HOME	BETA HOSTEL	ATTLERORD	0008	002920	100.00%		000000	0000	
51	GROUP HOME			8	2920	100.00%	0	0	0	-
51				91	28140	85.66%	302	8904	302	29
52	RES SCHOOL	SAL ARMYMEN'S SOCIAL SERV CTR	BROCKTON	0047	015401	089.76%	0204	006192	0173	0036
52	RES SCHOOL			47	15401	89.76%	204	6192	173	36
	HALFWAY HOUSE	SUN HOUSE TRUST RECOVERY HOUSE	BROCKTON	0008	002920	100.00%	0025	002436	0020	0122
				0029	009096	085.93%	0157	009323	0161	0058
52	HALFWAY HOUSE			37	12016	88.97%	182	11759	181	65
	GROUP HOME	WAVERLY NURSING HOME EASTSIDE COMMUNITY RESIDENCE	BROCKTON WHITMAN	0020	006611	090.56%	0011	001360	0007	0194
52	GROUP HOME			20	6611	90.56%	11	1360	7	194
52	DETOX CTR	ALCOHOLISM INTERVENTION CENTER	BROCKTON	0020	007008	096.00%	2051	007008	2038	0003
	DETOX CTR			20	7008	96.00%	2051	7008	2038	3
52				124	41036	90.67%	2448	26319	2399	11
53	RES SCHOOL	CARD-CUSHING SCH & TRAIN CTR	HANDOVER	0150	039424	068.80%	0031	069255	0045	1539
53	RES SCHOOL			150	38424	68.80%	31	69255	45	1539
	HALFWAY HOUSE	ANCHOR HOUSE INC	PLYMOUTH	0014	003541	069.30%			0053	
53	HALFWAY HOUSE			14	3541	69.30%	0	0	53	
	GROUP HOME	NE VILLAGES	PEMBROKE	0040	013737	094.09%	0005	002628	0002	1314
53	GROUP HOME			40	13737	94.09%	5	2628	2	1314
				204	55702	73.72%	36	71883	100	719
54	RES SCHOOL	MARATHON HOUSE INC PAUL A DEVER STATE SCHOOL	TAUNTON TAUNTON	0023 1348	007989 494940	095.16% 100.00%	0034 0010	007909 338300	0033 0055	0240 6151
54	RES SCHOOL			1371	502929	99.92%	44	346209	88	3934
	HALFWAY HOUSE	EVERETT HOUSE	TAUNTON	0021	007244	094.50%	0099	007985	0100	0080

OPERATING RESS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER RESS	CENSUS DAYS	OCCUP RATE	ADMS- STONS	DISCHARGE DAYS	OTS- CHARGES	AVR STAY
54	HALFWAY HOUSE			21	7244	94.50%	99	7985	100	80
54	GROUP HOME	SOLOMON HOUSE	TAUNTON	0010	003650	100.00%	0000	000405	0001	0405
54	GROUP HOME			10	3650	100.00%	0	405	1	405
	COOP APT	WEST BRITTANIA COOP	TAUNTON	0006	002154	99.36%	0012	001703	0012	0142
54	COOP APT			6	2154	98.36%	12	1703	12	142
54				1408	515977	99.83%	155	356302	201	1773
55	RES SCHOOL	CHILDRENS HOME OF FALL RIVER FALL RIVER OFACNESS HOME ST. VINCENT'S HOME CRYSTAL SPRINGS SCHOOL INC FRANK S STEVENS HOME FOR BOYS	FALL RIVER FALL RIVER FALL RIVER ASSONET SWANSEA	0025 0014 0095 0077 0032	007403 004231 031525 025582 009994	081.13% 082.80% 090.91% 091.02% 085.57%	0011 0011 0030 0021 0014	005678 001510 041196 047549 008718	0011 0014 0035 0020 0015	0516 0108 1177 2377 0581
55	RES SCHOOL			243	78735	88.77%	87	104451	95	1102
	HALFWAY HOUSE	ORDWAY HOUSE (COMM CARE INC) STEPPINGSTONE INC	FALL RIVER FALL RIVER	0012 0022	004390 007455	100.00% 097.26%	0003 0158	000846 009049	0003 0155	0282 0058
55	HALFWAY HOUSE			34	11835	98.26%	161	9895	158	63
	GROUP HOME	PROSPECT HALL PEOPLE INC PEOPLE, INC GAILLAGHER HOME PEOPLE, INC. COMMUNITY RESID	FALL RIVER FALL RIVER FALL RIVER FALL RIVER FALL RIVER	0009 0010 0012 0010 0008	002612 003650 001464 003650 002920	079.51% 100.00% 066.66% 100.00% 100.00%	0011 0000 0007 0003	001156 000000 000000 011680 001170	0007 0000 0000 0008 0002	0165 0000 0000 1460 0585
55	GROUP HOME			49	14296	88.07%	21	14006	17	824
55				326	104866	89.04%	269	128552	270	476
56	RES SCHOOL	ST MARYS HOME OF NEW BEDFORD NEW BEDFORD RES YOUTH CTR	NEW BEDFORD NEW BEDFORD	0040 0009	011478 002724	078.62% 082.92%	0031 0015	011492 001440	0026 0008	0442 0180
56	RES SCHOOL			49	14202	79.41%	46	12932	34	369
	HALFWAY HOUSE	RUSSELL ST RESIDENCE HAMMONY HOUSE THE COTTAGE UNTON HOUSE	NEW BEDFORD NEW BEDFORD NEW BEDFORD NEW BEDFORD	0013 0020 0008 0016	004009 006799 002920 005577	084.49% 093.14% 100.00% 095.50%	0005 0097 0000 0006	000339 006713 000000 001928	0002 0100 0000 0007	0170 0067 0000 0275
56	HALFWAY HOUSE			57	19305	92.79%	108	8980	109	82
	GROUP HOME	MARION HOUSE I & II NEW BEDFORD COOP APTS. SUMMER ST RESIDENCE RAINBOW HOUSE HORIZON HOUSE	MARION NEW BEDFORD NEW BEDFORD NEW BEDFORD NEW BEDFORD	0023 0013 0013 0010 0010	006414 004160 000391 003285 003591	076.40% 087.67% 050.98% 100.00% 098.38%	0008 0011 0011 0003 0001	001381 001370 000029 002190 000067	0006 0008 0002 0003 0001	0230 0171 0015 0730 0067

OPERATING RESS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

MSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER REDS	CENSUS DAYS	OCCUP RATF	ADMISS- SIONS	DISCHARGE DAYS	NTS- CHARGES	AVER STAY
56	GROUP HOME			69	17841	80.05%	34	5037	20	252
56				175	51344	84.04%	188	26949	163	165
57	RES SCHOOL	BAIRD CENTER RESIDENTIAL REHABILITATION CTR S L FRENCH YOUTH FORESTRY CAMP MAY INST FOR AUTISTIC CHILDREN REINHESE ISLAND SCHOOL DARE SCHOOL RIVERVIEW SCHOOL	PLYMOUTH BREWSTER E BREWSTER CHATHAM WOODS HOLE MARSHFIELD E SANDWICH	001A 0065 0050 0023 0012 0014 0101	005711 020905 009095 006411 002609 002575 03191A	086.93% 088.11% 049.85% 094.00% 059.57% 050.39% 086.57%	0016 0029 0367 0007 0022 0021 0036	005692 022446 010416 001890 002585 002596 025397	0019 0021 0372 0003 0022 0017 0043	0300 1071 0028 0630 011A 0153 0591
57	RES SCHOOL			283	79623	78.02%	498	71062	497	143
	HALFWAY HOUSE	WINTER STREET LODGE RENTHOUSE I-DIV OF CCAIRU INC EMERSON HOUSE-DIV OF CCAIRU RENTHOUSE II-CAPE COD ALC INT	HYANNIS POCASSET FALMOUTH FALMOUTH	0012 0016 0025 0018	004380 005080 004167 006114	100.00% 086.99% 089.50% 093.06%	0020 0178 0110 0072	001872 004725 006228 005425	0012 0175 0097 0076	0156 0027 0064 0071
57	HALFWAY HOUSE			71	23741	91.61%	380	18250	360	51
	GROUP HOME	LILLIAN MURRAY HOUSE HARBOR LODGE II HARBOR LODGE I SOUND SIDE COMMUNITY RESIDENCE JENNY BROWN RESIDENCE	HYANNIS HYANNIS HYANNIS HYANNIS ORLEANS	0006 0007 0006 0009 0004	002190 002589 002736 003285 001460	100.00% 100.00% 093.70% 100.00% 100.00%	0004 0025 0015 0012 0000	000938 003325 002103 001050 000000	0003 0008 0007 0007 0000	0313 0416 0526 0150
57	GROUP HOME			32	12260	98.79%	56	7416	22	337
	DETOX CTR	CAPE COD DETOXIFICATION CENTER	POCASSET	0020	006916	094.74%	2224	006894	2224	0003
57	DETUX CTR			20	6916	94.74%	2224	6894	2224	3
57				406	122540	82.96%	3158	103622	3103	33
61	RES SCHOOL	BEVERLY SCHOOL FOR THE DEAF LANDMARK SCHOOL	BEVERLY PRIORS CROSSING	0050 0135	007136 039150	079.29% 100.00%	0003 0052	004149 032880	0006 0050	0692 0656
61	RES SCHOOL			185	46286	94.40%	55	37029	56	661
	GROUP HOME	ANCHORAGE INC CAPE ANN COMMUNITY RESIDENCE THOMPSON FAMILY HOMES THETA CORPORATION	BEVERLY GLoucester IPSWICH MANCHESTER	0008 0008 0017	003374 002920 005545	081.30% 100.00% 089.36%	0009 0001 0001	002122 000060 000730	0007 0001 0001	0303 0060 0730
61	GROUP HOME			33	11839	98.29%	11	2912	9	324
61				218	58125	94.99%	66	39941	65	614
62	RES SCHOOL	CHARLES V HOGAN REGIONAL CTR INSTITUTE FOR FAM & LIFE LEARN LIBERTY HOUSE, LIBERTY ST ASSOC	HATHORNE DANVERS DANVERS	0320 0032 0032	091679 004745 005840	076.49% 044.40% 050.55%	0043 0045 0016	038346 002730 000160	0039 0015 0016	0883 0182 0010

OPERATING RESS AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER RESS	CENSUS DAYS	OCCUP RATE	ADMISS- STONS	DISCHARGE DAYS	NTS- CHARGES	AVER STAY
62	RES SCHOOL	LAKEVIEW SCHOOL	PEABODY	001A	006552	99.73%	0001	000912	0001	0912
62	RES SCHOOL			402	108816	74.45%	105	42148	71	594
	HALFWAY HOUSE	POPLAR STREET RESIDENCE	DANVERS	000A	002125	072.77%	0004	000424	0003	0141
62	HALFWAY HOUSE			8	2125	72.77%	4	424	3	141
	GROUP HOME	PEABODY COMMUNITY RESIDENCE	PEABODY	000A	002890	098.97%	0001	000735	0001	0735
		LINDEN ST COMMUNITY RESIDENCE	SALEM	000A	001809	061.95%		000000	0000	
		PLUMMER HOME FOR BOYS	SALEM	0014	004745	092.86%	0004	001357	0004	0339
62	GROUP HOME			30	9444	86.25%	5	2092	5	418
	DETOX CTR	N SHORE DETOXIFICATION CENTER	DANVERS	0030	010950	100.00%	2420	007170	2390	0003
62	DETOX CTR			30	10950	100.00%	2420	7170	2390	3
	SHELTER HOUSE	CHARTER HOUSE	DANVERS	0004	001707	093.53%	0001	000442	0001	0442
62	SHELTER HOUSE			4	1707	93.53%	1	442	1	442
	COOP APT	SALEM COOP-CONGRESS STREET	SALEM	0004	001163	079.66%		000000	0000	
62	COOP APT			4	1163	76.66%	0	0	0	
62				47A	134205	77.00%	2535	52276	2470	21
63	RES SCHOOL	JEAROME RYAN REHABILITATION CTR PROJECT COPE	LYNN LYNN	001A 0024	006338 004017	096.47% 068.78%	0057 0065	003199 002118	0042 0050	0076 0042
63	RES SCHOOL			42	10355	71.25%	122	5317	92	58
	HALFWAY HOUSE	LYNN COMMUNITY RESIDENCE	LYNN	0012	002927	066.83%	0018	001663	0011	0151
63	HALFWAY HOUSE			12	2927	66.83%	18	1663	11	151
	GROUP HOME	LYNN GROUP HOME	LYNN	0008	002755	094.35%	0001	001100	0001	1100
63	GROUP HOME			8	2755	94.35%	1	1100	1	1100
63				62	16037	73.38%	141	8080	104	78
64	RES SCHOOL	735 HOUSE JOHN T. BERRY REHAB. CENTER	MELROSE N. READING	0012 0050	004380 007038	100.00% 057.22%	0052 0025	002925 008350	0040 0015	0073 0557
64	RES SCHOOL			62	11418	65.50%	77	11275	55	205
	GROUP HOME	HORIZON HOUSE II EMARC-WOMEN'S RESIDENCE COMMUNITY GROUP	MELROSE MELROSE WAKEFIELD	000A 000A 0065	001331 002739 021535	077.39% 093.80% 100.00%	0009 0019	000074 000000 002217	0001 0000 0013	0074 0000 0171
64	GROUP HOME			81	25605	96.96%	28	2291	14	164

OPERATING RFDs AND SELECTED UTILIZATION
MASS RESIDENTIAL CARE FACILITIES--1976

HSA	FAC TYPE	FACILITY NAME	CITY/TOWN	OPER RFDs	CENSUS DAYS	OCCUP RATE	ADMISS- STONS	DISCHARGE DAYS	NTS- CHARGES	AVER STAY
64				143	37023	82.73%	105	13566	69	197
65	HALFWAY HOUSE	E MIDDLESEX HALFWAY HOUSE INC FELLSWAY INN	MALDEN MIDDLEBORO	0025 0020	004325 005020	095.05% 076.41%	0042 0060	005736 003172	0030 0065	0147 0049
65	HALFWAY HOUSE			45	9345	87.25%	102	8908	104	86
	GROUP HOME	PROJECT TRIANGLE COMM RES	MALDEN	000A	002920	100.00%	0001	000230	0001	0230
65	GROUP HOME			A	2920	100.00%	1	230	1	230
65				53	12265	89.25%	103	9138	105	87
	TOTAL			14425	4508106	85.6 %	58570	3518570	57852	*

*Average stay was not calculated for the state as a whole due to the wide variation in length of stay among the different types of residential care facilities. Length of stay ranged from a low of 5 days in detoxification centers to a high of 590 days in residential schools and treatment centers. Under these conditions, an average length of stay for all facilities would have little meaning.

HOME HEALTH AGENCIES

THE UNIVERSITY OF CHICAGO

HOME HEALTH AGENCIES

Home health agencies are structured to provide health services and education in the patient's home, school, place of work or sometimes special care centers. All agencies provide nursing service; for certification, agencies must also provide at least one of the following related services; physical, speech or occupational therapy, medical social services or home health aides.

Many home health agencies provide health promotion services for all ages, which may range from postpartum care to hypertension counseling. In addition to patient visits, agencies usually provide clinics in which preventive medicine can be practiced in addition to offering treatment of already diagnosed clinical problems. Home health agencies also help to coordinate other community support services such as homemaking, meals-on-wheels and "friendly visitors", to aid in the delivery of care.

In 1976, there were 179 functioning home health agencies in Massachusetts. Of these a total of 106 (59%) were independent, non-profit corporations, 61 (34%) were official, tax-supported agencies, 2 (1%) were non-profit religious organizations and 10 (6%) were other non-profit agencies. Two agencies merged during the 1975-76 fiscal year, and this trend continues in order to develop a more efficient and economical method of providing health care.

In order to receive reimbursement for services provided to Medicare and Medicaid-eligible patients, home health agencies must be certified. Compliance with Federal Social Security regulations, which is determined by routine yearly Department of Public Health surveys, is necessary for certification. In 1976 there were 155 Massachusetts home health agencies that were officially certified.

Home health agencies serve approximately 1% of the Massachusetts general population. While these services are used by all ages, the bulk of the agencies' patient population is over 45 years of age. Approximately 7% of the Massachusetts population 65 years and older is served by home health agencies.

There appears to be a significant trend toward increased utilization of all home health agency providers. Services are being utilized more often by those in the 45-64 and 65 and older age categories. Specifically, health promotion services, registered nurses and home health aides are being used more often by those age groups. Clinics such as hypertension and immunization have also seen increased utilization. Agencies have increased their registered nurse and health aide staff in what appears to be an effort to meet these demands. It should be noted that more accurate statistical reporting may be somewhat responsible for these higher utilization and staffing figures.

TABLE 93

**UTILIZATION OF HOME HEALTH AGENCIES IN MASSACHUSETTS BY HSA
ALL AGE GROUPS — 1976**

HSA		NUMBER OF AGENCIES	NUMBER OF CASES ¹	NUMBER OF VISITS	VISITS PER CASE	PERCENT OF TOTAL POPULATION SERVED
I	1	9	2,628	62,601	23.8	1.8
	2	14	2,338	40,925	17.5	1.4
	3	7	3,932	77,574	19.7	0.8
	TOTAL	30	8,898	181,100	20.4	1.1
II	1	12	3,503	55,243	15.8	1.7
	2	6	5,662	146,928	25.9	2.3
	3	12	4,062	53,687	13.2	1.8
	TOTAL	30	13,227	255,858	19.3	2.0
III	1	2	1,455	21,604	14.8	0.7
	2	2	2,034	1,920	0.9	1.4
	3	3	887	21,091	23.8	0.8
	TOTAL	7	4,376	44,615	10.2	0.9
IV	1	5	9,830	218,424	22.2	1.3
	2	10	5,824	86,697	14.9	1.2
	3	14 ²	2,888	67,915	23.5	0.6
	4	9	6,010	25,340	4.2	3.6
	5	11	4,709	64,459	13.7	1.5
	TOTAL	49	29,258	462,835	15.8	1.3
V	1	1	846	9,507	11.2	1.1
	2	7	2,183	32,671	15.0	1.1
	3	7	3,949	17,425	4.4	3.2
	4	4	965	4,234	4.4	1.0
	5	4	1,889	30,776	16.3	1.2
	6	6	2,021	24,077	11.9	1.3
	7	12	3,782	49,087	13.0	2.4
	TOTAL	41	15,635	167,777	10.7	1.6
VI	1	8	2,310	43,620	18.9	2.2
	2	6	2,037	35,813	17.6	1.5
	3	1	—	37,304	—	—
	4	4	1,847	34,768	18.8	1.6
	5	3	2,463	32,491	13.2	1.6
	TOTAL	22	8,657	183,996	21.3	1.3
STATE	TOTAL	179	80,051	1,296,181	16.2	1.4

¹ The data for cases and visits is complete for the following subareas:

- I 1
- II 2, 3
- III 3
- IV 4, 5
- V 1, 2, 5, 6
- VI 4, 5

The figures for all other subareas will tend to be incomplete or artificially low because some agencies were unable to provide case and/or visit breakouts.

² One agency in subarea IV 3 did not respond to the survey.

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

**HOME HEALTH CASES AND VISITS
65 YEARS AND OVER, 1976**

HSA		NUMBER OF AGENCIES	NUMBER OF CASES ¹	NUMBER OF VISITS	VISITS PER CASE	PERCENT OF POPULATION SERVED
I	1	9	2,029	50,743	25.0	10.4
	2	14	1,659	27,494	16.6	8.6
	3	7	2,521	56,751	22.5	4.5
	TOTAL	30	6,209	134,988	21.7	6.5
II	1	12	1,727	22,363	12.9	8.1
	2	6	3,996	117,304	29.4	11.8
	3	12	2,669	39,831	14.9	12.2
	TOTAL	30	8,392	179,498	21.4	10.9
III	1	2	60	14,603	243.4	0.3
	2	2	66	—	—	0.4
	3	3	584	11,490	19.7	4.2
	TOTAL	7	710	26,093	36.8	1.4
IV	1	5	5,951	142,886	24.0	5.7
	2	10	3,345	42,726	12.8	6.8
	3	14	2,391	51,987	21.7	5.0
	4	9	4,319	18,083	4.2	30.8
	5	11	3,286	46,965	14.3	8.9
	TOTAL	49	19,292	302,647	15.7	7.6
V	1	1	463	5,391	11.6	6.5
	2	7	1,445	23,054	16.0	7.9
	3	7	789	10,356	13.1	7.7
	4	4	529	2,681	5.1	5.2
	5	4	1,039	13,838	13.3	5.3
	6	6	1,402	16,688	11.9	6.4
	7	12	2,047	26,248	12.8	7.0
	TOTAL	41	7,714	98,256	12.7	6.6
VI	1	8	1,668	25,215	15.1	13.4
	2	6	1,490	18,394	12.3	10.4
	3	1	—	28,249	—	—
	4	4	687	11,190	16.3	5.4
	5	3	1,716	16,071	9.4	7.7
	TOTAL	22	5,561	99,119	17.8	7.0
STATE TOTAL		179	47,878	840,601	17.6	7.1

¹ The data for cases and visits is complete for the following subareas:

- I 1
- II 2, 3
- III 3
- IV 5
- V 1, 2, 6

The figures for all other subareas will tend to be artificially low because some agencies were unable to provide break-outs for their patients over 65 and/or for the number of visits.

SOURCE: Massachusetts Department of Public Health

TABLE 95

**VISITS TO CLINICS BY TYPE OF CLINIC
MASSACHUSETTS HOME HEALTH AGENCIES,¹
1976**

TYPE OF CLINIC	NUMBER OF FACILITIES	CASES		VISITS
		No.		
WELL ELDERLY	58	No.	20,097	82,292
		%	14.7	36.3
FLU IMMUNIZATION	79	No.	66,936	56,168
		%	48.9	24.8
HYPERTENSION	63	No.	16,244	44,299
		%	11.9	19.5
WELL CHILD	47	No.	4,817	9,124
		%	3.5	4.0
TUBERCULOSIS	35	No.	3,942	6,168
		%	2.9	2.7
OTHER	28	No.	4,534	5,218
		%	3.3	2.3
OTHER IMMUNIZATION	14	No.	2,397	3,745
		%	1.8	1.7
LEAD POISONING	43	No.	3,751	3,873
		%	2.7	1.7
DIABETES	13	No.	1,993	3,544
		%	1.5	1.6
POLIO IMMUNIZATION	26	No.	2,728	3,135
		%	2.0	1.4

¹ Some agencies were unable to provide statistics for their clinics, therefore these figures may be understated.

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

**VISITS TO CLINICS BY TYPE OF CLINIC
MASSACHUSETTS HOME HEALTH AGENCIES,¹
1976 (con't)**

TYPE OF CLINIC	NUMBER OF FACILITIES	CASES		VISITS
		No.		
D.P.T. IMMUNIZATION	34	No.	2,642	2,907
		%	1.9	1.3
M.M.R. IMMUNIZATION	26	No.	2,040	2,000
		%	1.5	0.9
VISION/HEARING/ GLAUCOMA/AMBLYOPIA	15	No.	1,977	1,569
		%	1.4	0.7
CANCER	14	No.	1,172	1,186
		%	0.9	0.5
NUTRITIONAL/WEIGHT CONTROL	7	No.	415	1,171
		%	0.3	0.5
FAMILY PLANNING	3	No.	277	257
		%	0.2	0.1
DENTAL	3	No.	797	92
		%	0.6	0.0
MENTAL HEALTH/ALCOHOL	1	No.	1	51
		%	0.0	0.0
PEDIATRIC	1	No.	15	15
		%	0.0	0.0
TOTAL		No.	136,775	226,814
		%	100.0	100.0

¹Some agencies were unable to provide statistics for their clinics, therefore these figures may be understated.

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

TABLE 96

**HEALTH PROMOTION
MASSACHUSETTS HOME HEALTH AGENCIES,¹ 1976**

AGE OF PATIENT		HEALTH SERVICE AREA						TOTAL
		I	II	III	IV	V	VI	
UNDER 1	Cases	325	809	224	1,577	3,014	116	6,065
	Visits	1,121	1,959	609	2,795	4,983	427	11,894
1-4	Cases	66	321	43	471	941	54	1,896
	Visits	420	1,102	414	1,636	1,650	203	5,425
5-14	Cases	144	114	42	341	1,030	14	1,685
	Visits	331	571	61	828	7,896	14	9,701
15-44	Cases	424	577	36	1,521	1,833	48	4,439
	Visits	1,723	4,298	88	2,656	3,162	97	12,024
45-64	Cases	1,061	868	197	2,084	2,445	192	6,847
	Visits	5,074	3,584	612	4,933	4,526	579	19,308
65+	Cases	2,590	926	347	2,557	1,474	147	8,041
	Visits	11,339	4,102	2,116	5,915	2,941	810	27,223
TOTAL BY AGE	Cases	4,610	3,615	889	8,551	10,737	571	28,973
	Visits	20,008	15,616	3,900	18,763	25,158	2,130	85,575
GRAND TOTAL ²	Cases	4,735	3,692	1,566	10,009	11,690	685	32,377
	Visits	20,664	16,403	4,577	24,667	28,609	2,696	97,616

¹Health Promotion Services focus on the prevention of illness and the promotion of optimal health. Home visits are made to special target groups such as the newborn, premature infants, pregnant women, and the elderly, for the purpose of teaching, counseling, case finding (T.B.) and follow-up of immunization and screening programs, etc.

²Some agencies were unable to provide any statistics for health promotion or were able to provide only totals without age breakouts. The Grand Total includes the latter agencies' figures.

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

HOME MORBIDITY CASES AND VISITS BY TYPE OF PROVIDER¹ 1976

TYPE OF PROVIDER		CASES	VISITS	PATIENTS 65 YEARS +	
				CASES	VISITS
REGISTERED NURSE	NO.	45,645	754,949	27,233	459,664
	%	76.1	57.6	75.0	56.8
LICENSED PRACTICAL NURSE	NO.	757	30,070	518	21,152
	%	1.3	2.3	1.4	2.6
HOME HEALTH AIDE	NO.	6,410	407,692	4,230	273,227
	%	10.7	31.1	11.6	33.8
PHYSICAL THERAPIST	NO.	5,908	97,421	3,717	46,462
	%	9.9	7.4	10.2	5.7
OCCUPATIONAL THERAPIST	NO.	423	7,163	228	2,498
	%	0.7	0.6	0.6	0.3
SPEECH THERAPIST	NO.	285	7,315	145	3,024
	%	0.5	0.6	0.4	0.4
SOCIAL WORKER	NO.	328	1,518	142	429
	%	0.5	0.1	0.4	0.1
OTHER ²	NO.	191	3,764	156	2,873
	%	0.3	0.3	0.4	0.3
TOTAL	NO.	59,947	1,309,892	36,369	809,329

¹Some agencies were unable to provide statistics for individual providers, therefore these figures may be artificially low.

²Other includes special provider consults, or special provider service such as psychiatric nurses, inhalation therapists, nurse assistants.

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

TABLE 98

**HEALTH MANPOWER PERSONNEL
MASSACHUSETTS HOME HEALTH AGENCIES, 1976¹**

		HEALTH SERVICE AREA						STATE
		I	II	III	IV	V	VI	
NUMBER OF FACILITIES		30	30	7	49	41	22	179
CATEGORY OF PERSONNEL								
HEALTH AIDE	NO.	123.9	116.2	69.4	360.0	106.4	44.5	820.4
	%	40.3	31.9	48.2	41.1	31.6	17.4	35.9
R.N.	NO.	99.9	128.7	39.7	254.1	118.3	120.6	761.3
	%	32.5	35.3	27.5	29.0	35.2	47.1	33.3
ALL OTHER NON-HEALTH PERSONNEL	NO.	36.9	46.6	9.9	112.3	44.3	28.7	278.7
	%	12.0	12.8	6.9	12.8	13.2	11.2	12.2
ADMINISTRATION	NO.	31.7	31.8	11.4	62.0	34.5	26.5	197.9
	%	10.3	8.7	7.9	7.1	10.2	10.4	8.7
PHYSICAL THERAPIST	NO.	7.5	10.3	4.9	31.5	16.0	18.4	88.6
	%	2.5	2.8	3.4	3.6	4.8	7.2	3.9
ALL OTHER HEALTH PERSONNEL	NO.	3.1	10.9	5.1	41.3	12.9	15.8	89.1
	%	1.0	3.0	3.5	4.7	3.8	6.2	3.9
L.P.N.	NO.	4.3	20.1	3.7	14.5	4.1	1.3	48.0
	%	1.4	5.5	2.6	1.7	1.2	0.5	2.1
TOTAL	NO.	307.3	364.6	144.1	875.7	336.8	255.8	2,284.0
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0

¹Provider staffing is shown in full-time equivalents (FTE's).

The number of FTE's was obtained by dividing the total number of part-time hours for each type of provider by the average hours worked per week and adding total number of full-time employees for this particular provider to this figure. The numbers used were for a one week reporting period.

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

**Patient and Service Characteristics
Massachusetts Home Health Agencies, 1976**

AGE OF PATIENTS SERVED	AGE GROUP	% OF SERVED CASES
	UNDER 25	4.6
	25 - 54	10.9
	55 - 64	13.4
	65 - 74	27.2
	75 - 84	31.8
	85 +	11.9
DURATION OF SERVICE	NUMBER OF DAYS	
	1 - 29	48.5
	30 - 89	27.2
	90 & OVER	24.3
PATIENT FLOW	SITE OF ORIGIN	
	Hospital	58.0
	Nursing Homes	2.4
	Physician	21.0
	Home	13.4
	Other	5.2
PRIMARY PAYMENT SOURCE	SOURCE	
	Medicare	61.5
	Medicaid	12.3
	Commercial Insurance	10.7
	Private Resources	6.8
	Other	8.4
FUNCTIONAL STATUS	DEGREE DEPENDENCY	
	Walk Independently	69.0
	Walk with Human Assistance	22.0
	Dependent	9.0
SERVICE PROVIDERS	TYPES	
	Nurse, RN	57.0
	Health Aide	28.0
	Physical	8.0
	Therapy	7.0
	Others	

SOURCE: Massachusetts Department of Public Health
Patient Summary Records from 46 Home Health Agencies, 1976

**NUMBER OF HOME HEALTH AGENCIES OFFERING SPECIAL SERVICES
BY HEALTH SERVICE AREA, 1976**

HSA	TELE- COMMUNICATION E.K.G.	RENAL DIALYSIS	INHAL/RESP. THERAPY	MENTAL HEALTH COUNSELING	NUTRITION OR DIETARY COUNSELING	LAB SERVICES	DENTAL	TOTAL
I	2	1	5	10	21	7	3	49
II	5	0	8	9	14	7	2	45
III	0	0	3	6	6	1	0	16
IV	8	2	27	33	39	10	4	123
V	1	0	7	15	29	9	1	62
VI	1	0	13	14	17	12	2	59
STATE TOTAL	17	3	63	87	126	46	12	354

SOURCE: Massachusetts Department of Public Health
Annual Survey of Home Health Agencies, 1976

TABLE 101

TOTAL VISITS, CASES AND SELECTED UTILIZATION
MASSACHUSETTS HOME HEALTH AGENCIES--1974

HSA	FACILITY NAME	TOTAL CASES	CASES 65+	PERCENT DWP SERVED	TOTAL VISITS	VISITS 65+
11	ADAMS PUB HLTH NURSING SERVICE	134	124	1.23%	2,272	1,474
	DALTON BOARD OF HEALTH	243	92	2.34%	1,645	514
	SOUTHERN BERKSHIRE V.N.A.	124	100	.73%	2,710	1,700
	LEE VISITING NURSE ASSOCIATION	134	95	2.08%	1,843	1,341
	LENOX V.N.A.	63	45	1.04%	1,091	719
	NORTH ADAMS	547	491	2.35%	13,147	11,459
	V.A. OF PITTSFIELD	941	403	1.44%	30,231	24,542
	RICHMOND & W. STOCKBRIDGE C.H.A.	40	36	1.60%	274	204
	WILLIAMSTOWN	305	239	3.10%	9,364	7,040
11		2,424	2,020		42,401	30,743
12	AMHERST BOARD OF HEALTH	115	90	.36%	2,449	1,574
	ATHOL/GRANGE COMM WITH SERVICE	450	330	1.02%	5,024	4,144
	NORTHERN FRANKLIN PUB HLTH NIST	71	33	3.04%	734	524
	DEERFIELD COMMUNITY NURSE SERV.	42	13	.94%	349	204
	EASTHAMPTON VNA	174	119	.47%	4,273	2,504
	FRANKLIN COUNTY HME WITH CARE	73	52	.12%	754	549
	GREENFIELD V.N.A.	310	66	1.32%	10,151	7,479
	HADLEY BOARD OF HEALTH	76	22	2.01%	371	335
	HATEFIELD VNA	54	22	1.47%	431	300
	MONTAGUE NURSING DEPARTMENT	44	71	1.04%	2,497	2,221
	NORTHAMPTON VNA	711	525	9.21%	10,654	5,994
	NORTHFIELD PUB HLTH NURS SERV	44	37	1.05%	23	10
	RUCKLAND & SHELBURNE	51	43	.00%	1,421	1,054
	ASHFELD/CNRY/SHREBURN/MTLY PHNA	2,277	1,401	.77%	1,340	27,494
12		2,277	1,401		40,925	27,494
13	CHESTER COMMUNITY WITH SERVICE	341	270	.00%	5,549	4,040
	CHICOPPE V.N.A.	1,337	959	.65%	17,424	12,904
	HOLYOKE VNA	449	153	1.03%	4,427	2,920
	LUNENOW HEALTH DEPT	124	107	2.07%	4,150	3,409
	PALMER VISITING NURSE ASSOC	101	71	.50%	43,444	31,473
	SPRINGFIELD VNA	101	71	.00%	2,314	1,543
	V.N. DRG. MARY LANE HOSPITAL	2,396	1,560	.21%	77,574	54,751
13		2,396	1,560		77,574	54,751
21	NASHUA NURSING SERVICE	1,522	434	3.43%	7,036	4,411
	RADE PHJA	57	47	1.43%	2,049	1,639
	BURBANK HOSP COORD H.M. CARE	471	364	.00%	12,074	9,947
	FITCHBURG VNA	60	40	.00%	9,244	544
	GARDNER VNA	254	187	1.94%	544	454
	HARVARD BOARD OF HEALTH	120	86	.51%	9,741	4,344
	LANCASTER BOARD OF HEALTH	165	10	.00%	1,464	1,059
	LEOMINGSTER VNA	114	91	1.46%	350	40
	LUNENBURG PUB HLTH NURS SERV	114	91	2.43%	1,511	1,360
	PEPPERELL V.N.A.	114	91	.00%	1,047	941
	NORWOOD HEALTH ASSOCIATION	114	91	1.66%	55,243	22,363
	WINCHESTER BOARD OF HEALTH	114	91		55,243	22,363
21		2,765	1,263		55,243	22,363

TOTAL VISITS, CASES AND SELECTED UTILIZATION
MASSACHUSETTS HOME HEALTH AGENCIES--1976

HSA	FACILITY NAME	TOTAL CASES	CASES 65+	PERCENT 65+ SERVED	TOTAL VISITS	VISITS 65+
22	AUBURN DISTRICT NURSING ASSOC. AUBURN HUNTINGTON BOARD OF HEALTH HUNTINGTON WACHUSSETT HOME HEALTH AGENCY WACHUSSETT LEITCHSTER SAMARITAN ASSOC LEITCHSTER PERNET FAMILY SERVICE WINDHAM WINDHAM VNA	170 17 405 62 98 4,816	110 15 373 52 32 3,405	1.11% .50% 1.67% .64% .65% 2.33%	2,248 243 7,345 1,140 1,216 130,670	1,561 243 5,526 460 257 108,457
22	DONALDSON BOARD OF HEALTH FRANKLIN BOARD OF HEALTH COMMUNITY NRS ASSOC OF GRAFTON WILFORD AREA V.N.A. WILFORD SOC FOR DIST. NURSING NORTHINGTON NURSING ASSOC HARTINGTON 424 WOSP WM CARE NP SPENCER GOOD SAMARITAN & DIA SUTTON BOARD OF HEALTH SUTTON UPTON BOARD OF HEALTH UPTON WINDHAM BOARD OF HEALTH WINDHAM WINDHAM/SHIRLEY SAMARITAN ASSOC	5,662 59 612 184 910 131 132 1,010 300 57 126 382	3,004 41 330 148 540 40 78 700 102 41 80 308	1.85% 3.33% 1.75% 1.72% 1.04% 1.04% 2.15% 1.84% 6.10% 1.50% 1.10% 1.15%	145,924 780 3,310 3,365 13,342 3,140 1,040 14,678 2,904 1,143 1,040 4,171	117,304 566 2,307 2,413 10,571 1,421 760 11,220 2,230 1,050 923 4,578
23	ATLANTICA HEALTH DEPARTMENT LOWELL VNA	4,062 110	2,660 60	3.10% .00%	53,667 527	30,431 14,200
31	VNA OF ANDOVER LA. GEN WOSP HME WITH SERVICES ANDOVER LAURENCE	97 1,937	66 66	3.34% 1.05%	1,920 1,920	1,054 1,054
32	AMESBURY BOARD OF HEALTH HAVERHILL VNA NEWBURYPORT HEALTH CENTRE NEWBURYPORT	2,030 48 531 288	66 51 305 188	.04% .04% 1.02%	660 14,042 5,289	674 7,500 3,314
33	BETH ISRAEL WOSP HME CARE DEPT BOSTON LAMARQUE CENTER V.N.S. BOSTON VNA SOUTH END COMMUNITY HLTH CTR. BRONCKLINE V.N.SERVICE BRONCKLINE	887 51	584 48	.00% .00% .00% .00%	21,091 6,082 200,693 10,740	11,490 5,592 128,120 9,174
41	ACTION PUBLIC HLTH. NURS. SERV. BEDFORD PUB. HLTH. NURS. SERV. BELMONT/WATERTOWN C.H.A. BURLINGTON BOARD OF HEALTH	51 165 55 984 166	48 84 48 817 56	.00% .01% 1.55% .67%	218,424 2,393 520 10,510 1,314	142,886 1,609 396 8,071 653

TOTAL VISITS, CASES AND SELECTED UTILIZATION
MASSACHUSETTS HOME HEALTH AGENCIES--1976

HSA	FACILITY NAME	TOTAL CASES	CASES 65+	PERCENT SERVED	TOTAL VISITS	VISITS 65+
42	CAMBRIDGE VNA PERSON HOSPITAL HOME CARE DEPT TRI-COMMUNITY HOME SERVICES LINGTON MAYNARD PIR HLTH NURSING SRV SOMERVILLE V.N.A. WILMINGTON BOARD OF HEALTH	1,154 245 134 1,043 102	211 101 61	1.12% .84% .00% 1.37% 1.81% .57%	10,054 5,188 12,812 1,848 30,455 1,641	4,244 1,344 25,208 1,121
42	ASHLAND HEALTH DEPARTMENT COMMUNITY HEALTH SERVICE WILSON COMMUNITY HEALTH ASSOC. ASSAULT VALLEY HEALTH ASSOC NATICK V.N.A. NEEDHAM VISITING NURSE ASSOC NEEDHAM/ELLISLEY VNA NORTHBRIDGE V.N.A. SUDBURY P.M. NURSING ASSOC. WALTHAM HOME HEALTH AGENCY WALTHAM V.N.A. PARMENTER HEALTH CENTER WESTBRIDGE DIST NURSE ASSOC. WESTON VISITING NURSE ASSOC.	4,512 101 149 317 254 500 92 145 210 141 120	1,374 50 114 224 209 440 72 101 124 100 101	1.13% .00% .00% 1.00% .72% 1.07% .00% 1.10% 1.45% 1.00% 1.00%	84,497 1,070 2,010 3,341 4,074 7,795 23,327 2,107 2,924 13,084 2,475 2,450 1,594	42,724 525 1,504 2,518 4,074 6,445 19,257 1,335 8,821 1,714 1,751 1,539
43	CANTON NURSING ASSOCIATION NEEDHAM VISITING NURSE ASSOC. VNA OF DORCHESTER/NEEDHAM MILLS RD OF HLTH NURSING SRV NORWOOD VNA SHARON BOARD OF HEALTH WALPOLE V.N.A. WESTON COMMUNITY HLTH ASSOC. WRENTHAM P.H. & V.NURSES	2,140 3,514 200 273 43 1,073 224 217 273 102	1,590 2,732 151 24 450 70 150 251 74	19.42% 1.08% 1.50% .65% 3.04% 1.64% 1.17% 1.04% 1.30%	67,915 2,755 3,191 2,702 911 3,387 1,944 3,338 4,041 5,049	51,987 2,132 2,187 1,467 738 2,530 1,264 1,942 3,263 2,552
44	BRAINTREE V.N.A. SOCIAL SERV LEAGUE OF COMMASSET HINGHAM VNA HOLBROOK VISITING NURSE ASSOC. HULL BOARD OF HEALTH WILTON VNA & SOC. SERV. LEAGUE NORWELL VNA QUINCY V.N.A. RANDOLPH BOARD OF HEALTH SCITUATE HOME HEALTH AGENCY WEYMOUTH V.N.A.	6,010 505 151 327 109 150 244 44 1,085 1,071 127 454	4,310 368 88 231 82 41 217 45 1,108 651 105 310	1.37% 1.03% 1.47% .02% 1.01% .97% 1.70% 1.62% 3.66% .71% .70%	25,310 7,312 1,765 4,208 2,924 2,779 4,488 754 25,912 3,804 932 7,447	18,083 5,937 1,440 3,022 1,881 1,479 3,074 622 20,413 2,327 708 5,162
45	ATTLEBORO COMM. HEALTH AGENCY	4,700	3,286		64,459	46,965
51	ATTLEBORO	846	463	.95%	9,507	5,391

TOTAL VISITS, CASES AND SELECTED UTILIZATION
MASSACHUSETTS HOME HEALTH AGENCIES--1976

HSA	FACILITY NAME	TOTAL CASES	CASES 65+	PERCENT POP SERVED	TOTAL VISITS	VISITS 65+
51	ARLINGTON V.N.A.	846	443		9,507	5,391
52	BRIDGEWATER VNA	144	104	1.21%	3,504	2,441
	BROCKTON VNA	203	226	1.46%	3,603	2,945
	E. BRIDGEWATER HOME HLTH. AGENCY	1,033	719	1.02%	14,846	10,052
	EASTON NURSING ASSOCIATION	227	90	2.37%	2,648	1,935
	FASTON NURSING ASSOCIATION	122	79	12.13%	1,948	1,471
	STOUGHTON PUA HLTH ASSOC	247	171	1.04%	5,125	3,376
	WHITMAN VNA	77	56	.57%	997	834
52		2,183	1,445		32,671	23,054
53	CARVER PUA HLTH NURSE CONM	40	18	.01%	917	573
	HANDOVER VNA	75	49	.70%	1,022	742
	HANSON VNA	67	42	.79%	1,304	815
	MARSHFIELD V.N.A.			.00%	2,780	
	PEMBROKE PUA HLTH NURS ASSOC	103	74	.59%	1,354	1,069
	PLYMOUTH COMMUNITY NURSE ASSN.	739	519	1.57%	7,467	5,588
	ROCKLAND V.N.A.	145	87	.84%	2,581	1,569
53		1,160	789		17,425	10,356
54	LAKEVILLE BOARD OF HEALTH	165	97	.00%		
54	MIDDLEBOROUGH BOARD OF HEALTH	236	79	1.16%	2,328	1,739
	SEEKONK BOARD OF HEALTH	564		2.08%	1,906	942
	TAUNTON VISITING NURSE ASSOC.			.87%		
54	FALL RIVER DVA	965	176		4,234	2,681
55	SOMERSET BOARD OF HEALTH	1,390	126	1.31%	23,636	9,158
	SWANSEA BOARD OF HEALTH	184	75	.95%	2,283	1,320
	WESTPORT BOARD OF BOARD	205	117	.72%	2,505	1,823
55		1,889	318	1.59%	2,262	1,537
55	ACUSHNET BOARD OF HEALTH	280	194		30,776	13,838
	DARTMOUTH BOARD OF HEALTH	274	110	3.30%	1,935	1,090
	C N A OF FAIRHAVEN	390	342	1.23%	2,845	1,542
	MARTON V.N.A.	66	55	2.44%	5,666	4,933
	MATTAPANSETT DISTRICT NURSES	123	88	1.06%	1,742	1,450
	ST LUKES HOSPITAL VN SERVICE	888	613	2.26%	1,582	1,004
56		2,021	1,402	.56%	10,307	6,667
56	HYANNIS	715	590		24,077	16,688
57	VNA OF CENTRAL CAPE CON	1,078	482	1.23%	9,874	4,089
	CHATHAM VNA	66	54	17.66%	378	313
	EASTHAM TOWN NURSING SERVICE	869	268	2.10%	9,370	4,361
	FALMOUTH NURSING ASSOCIATION	276	67	2.50%	4,397	1,535
	HARWICK NURSING SERVICE	100	71	3.50%	1,656	1,148
	NANTUCKET OFFICE P H NURSE	82		1.76%	1,356	
	ORLEANS TOWN NURSING SERVICE			1.84%		

TOTAL VISITS, CASES AND SELECTED UTILIZATION
MASSACHUSETTS HOME HEALTH AGENCIES--1976

HSA	FACILITY NAME	TOTAL CASES	CASES 65+	PERCENT POP SERVED	TOTAL VISITS	VISITS 65+
57	PROVINCETON H.O. NURS. SERVICES TOWN OF SANDWICH NURSING AGENCY TISBURY MARTHAS VINEYARD VNA HOME SERV WAREHAM WAREHAM V.N.A. WELLIFLET HOME HEALTH AGENCY WELLIFLET	54 108 222 37 3,607	27 83 176 29 2,047	1.34% 1.68% .00% 1.45% 1.14%	737 3,090 9,626 3,561 49,087	496 2,646 8,531 2,929 24,248
57						
61	BEVERLY HOSPITAL HOME CARE SERV BEVERLY V.N.A. CAPE ANN COMMUNITY N.A. GLoucester V.N.A. OF HAMILTON-WENHAM HAMILTON CARLE CORRIEN REG. H.C. SERVICE TPSATHIC MANCHESTER NURSING SERVICE MANCHESTER ROCKPORT P.H. NURSING SERVICE ROCKPORT TOPSFIELD/ANDOVER COMM CLUB TOPSFIELD	188 860 112 135 176 271 1,722	93 667 80 93 157 187 1,277	.18% .00% 3.17% 1.04% .00% 2.43% 2.79% 2.58%	3,123 7,999 16,806 2,474 4,960 682 1,863 5,713 43,620	1,455 12,959 1,493 2,808 437 1,636 4,430 25,215
61						
62	DANVERS V.N.A. MARBLEHEAD VNA WINDLETON COMMUNITY SERVICES J.A. THOMAS HOSP. H.H.C. PROG. PEARBODY V.N.A. VNC OF THE WOMENS FRIEND SOC SALFMA	304 344 108 417 1,193	218 226 100 292 836	1.21% 1.69% 2.68% .29% .00% .00%	6,546 5,617 4,736 5,693 3,456 9,765 35,813	4,696 3,779 4,276 3,669 1,974 18,394
62						
63	VNA OF GREATER LYNN			.00%	37,304	28,249
63					37,304	28,249
64	MELROSE DNA MELROSE/WAKEFIELD HOSP H.C. PROG N E MEM HOSP COMM HOME CARE COMBINED VNA READING/WAKEFIELD WAKEFIELD	336 303 252 956 1,847	250 230 207 687	1.04% .20% .09% .80%	6,459 4,970 3,275 20,064 34,768	4,864 3,698 2,628 11,190
64						
65	WHIDDEN MEM HOSP HOME CARE UNIT MALDEN COMMUNITY NURSING ASSOC WEDFORD VNA	612 1,111 740 2,463 60,188	433 398 395 1,716 35,405	1.55% 1.99% 1.21%	7,784 11,637 13,070 32,491 1,296,181	6,949 9,122 16,071 840,601
65						
	TOTAL					

HEALTH FINANCING

[illegible]

HEALTH FINANCING

Massachusetts, and especially Boston, is a world-renowned center for medical care. Patients, physicians, and researchers are attracted by the sophisticated facilities and experienced specialists. Concomitant with this reputation are higher health expenditures. In fiscal year 1976 estimated expenditures on health care in Massachusetts amounted to \$4.9 billion. On a per capita basis, this amounts to \$845 for each resident of the Commonwealth, 30% above the national average. As a share of the gross state product, health expenditures amounted to 11%, considerably higher than the national share of 8.6%.

Health expenditures can obviously be categorized in many ways. The outline for tables in this section is to display total health expenditures, followed by public sector expenditures by level of government — federal, state and local. Finally expenditures of the major financing programs (Medicare and Medicaid) and of selected segments of the health care industry are examined individually.

Total health expenditures are divided into health services and supplies — representing the direct delivery and administration of health care — and research and medical facilities construction. Health services and supplies were 93.7% of total expenditures in fiscal year (FY) 1976. Within health services and supplies, 39.2% of FY 1976 expenditures were public sector, including publicly mandated workers' compensation, and the remaining 60.8% were private sector.

Looking at public sector expenditures in Massachusetts by program, it is interesting to note that although Massachusetts spending levels exceed national levels in major categories, the differential between Massachusetts and the nation has remained roughly constant or declined. Massachusetts Medicaid spending per capita exceeded the U.S. level by 71% in 1973, and by 70% in 1976. And Massachusetts spending in general hospital and medical care per capita dropped from 22% above the national figure in 1973 to parity with the nation in 1976. However, comparisons of overall levels of health expenditures are more reliable than rates of increase from 1973 to 1976. All health expenditures were reported on a cash basis. As a result, calculated rates of increase are particularly sensitive to the timing of payments, particularly reimbursements under the major health financing programs, Medicare and Medicaid. Overall, on an incurred basis, it is likely that Massachusetts levels and rates of increase of public sector health expenditures would have been closer to national levels.

Of public sector health expenditures in Massachusetts, the federal government contributes by far the largest share, followed in order by state and local government shares. To avoid double counting, expenditures of state and local governments are converted to net costs. Net costs are the amounts reported in government budgets (here termed gross expenditure) reduced by reimbursements from the federal government and other sources (primarily patient fees). Overall, public sector expenditures per person in Massachusetts were 25% above the average in FY 1976. Federal health expenditures were only 13% above the average, whereas state government health expenditures were more than twice the national average. Local government health expenditures, on the other hand, were 53% below the national average.

The federal share of health expenditures is dominated by the Medicare program, which covers most of the cost of hospital, and some physician care and a few other services, for persons aged 65 and over and for the disabled. Almost half of all federal health expenditures in Massachusetts in FY 1976 went to Medicare. Available data suggest that Medicare expenditures have increased less in Massachusetts than elsewhere in the country over the period 1973-1976. This fact moderated the reported increase in overall public sector health expenditure in the state.

The state and local shares of health expenditures are dominated by the Medicaid program, which pays the entire cost of a broad range of health services for eligible indigent persons. In particular, the Medicaid program covers costs of nursing home care, which are virtually excluded from most other types of insurance systems. Nursing home care represents 34% of the Medicaid budget, second only to the hospital share (for inpatient and outpatient care combined) of 41%. As indicated, on a per capita basis, total Medicaid expenditures in Massachusetts are 70% above the national average. This pattern results from higher prices of most medical services in this state compared to the national average, as well as a more generous program than many other states in terms of both eligibility for benefits and the range of services covered. However, the comparison of costs per capita and cost per recipient shows that Massachusetts high expenditures result primarily from broader eligibility than most states. In terms of average benefit per Medicaid recipient, Massachusetts is actually below the U.S. average.

The tables in this section were taken from reports of the Massachusetts Funds Flow Project. Further information on the Project is available in the Glossary.

FIGURE 21

PER CAPITA HEALTH EXPENDITURES IN MASSACHUSETTS AND THE U.S.
WITH THE PUBLIC SECTOR SHARE OF THOSE EXPENDITURES
FISCAL YEARS 1973-1976



Massachusetts Health Expenditures¹
(\$ million)

Sources	FY 1973	Percent of Total	FY 1976	Percent of Total
TOTAL	3,510.0	100.0	4,925.7	100.0
Health Services & Supplies	3,281.8	93.5	4,616.9	93.7
Public Sector	1,287.3	36.7	1,809.8	36.7
Federal	788.0	22.5	1,113.0	22.6
State	448.6	12.8	625.2	12.7
Local	50.8	1.4	71.5	1.5
Private Sector	1,994.5	56.8	2,807.1	57.0
Insurance	892.6	25.4	1,255.8	25.5
Philanthropy & Industry	12.4	0.4	18.5	0.4
Out-of-Pocket	1,089.5	31.0	1,532.8	31.1
Research and Medical Facilities Construction	228.2	6.5	308.7	6.2
Research	115.5	3.3	176.3	3.6
Construction	112.7	3.2	132.4	2.7

¹ Figures are provisional because they are based on trend projections.

TABLE 103

Massachusetts Health Expenditures by
Type of Expenditure¹
(\$ million)

Type of Expenditure	FY 1973	Percent of Total	FY 1976	Percent of Total
ALL EXPENDITURES	3,510.0	100.0	4,925.7	100.0
Health Services and				
Supplies	3,281.8	93.5	4,616.9	93.7
Hospital Care	1,313.8	37.4	1,854.6	37.7
Physicians' Services	457.9	13.0	646.8	13.1
Dentists' Services	190.7	5.4	269.3	5.5
Other Professional Services	37.5	1.1	53.0	1.1
Drugs and Drug Sundries	369.0	10.7	521.3	10.6
Eyeglasses and Appliances	58.7	1.7	82.9	1.7
Nursing Home Care	281.6	8.0	397.8	8.1
Other Health Services	225.0	6.4	317.8	6.4
Expenses for Prepayment and Administration	224.5	6.4	331.3	6.7
Government Public Health Activities	123.9	3.5	142.2	2.9
Research and Medical	228.2	6.5	308.7	6.3
Facilities Construction				
Research	115.5	3.3	176.3	3.6
Construction	112.7	3.2	132.4	2.7

¹ Provisional estimates, based on trend projections.

Per Capita Public Sector Outlays
in Massachusetts and the USA for Health
Services and Supplies by Major Program,
Fiscal Years 1973 and 1976

Program	Massachusetts (\$)		U. S. A. (\$)		Ratio: Mass/USA	
	1973	1976	1973	1976	1973	1976
ALL PROGRAMS	221.98	310.53	156.28	247.92	1.42	1.25
Medicare	68.70	95.99	45.17	82.69	1.52	1.16
Temporary Disabil- ity Insurance (Medical Bene- fits)	—	—	0.33	0.34	—	—
Workers' Compens- ation (Medical Benefits)	7.01	9.56	6.36	9.88	1.10	0.97
Medicaid	74.86	120.83	43.88	71.26	1.71	1.70
General Hospital and Medical Care	27.47	32.12	22.46	32.10	1.22	1.00
Defense Department Hospital and Medical Care	5.23	3.19	11.76	15.03	0.44	0.21
Maternal and Child Health Services	1.87	1.56	2.17	2.76	0.86	0.57
Government Public Health Activities	21.37	24.40	10.25	15.14	2.08	1.61
Veterans' Hospital and Medical Care	14.77	22.22	12.34	17.64	1.20	1.26
Medical Vocational Rehabilitation	0.36	0.65	0.83	1.07	0.43	0.61
Office of Economic Opportunity	0.34	n. a.	0.73	n. a.	0.47	n. a.

TABLE 105

TABLE 106

Per Capita Public Sector Health Expenditure
by Level of Government

Level of Government	Massachusetts (\$)		U. S. A. (\$)		Ratio: Mass/USA	
	1973	1976	1973	1976	1973	1976
TOTAL PUBLIC SECTOR	221.98	310.53	156.28	247.92	1.42	1.25
Federal	135.84	190.94	103.85	168.60	1.31	1.13
State						
Gross Expenditures	121.75	175.80	n. a.	n. a.	n. a.	n. a.
Net Costs	77.35	107.32	35.98	53.14	2.15	2.02
Local						
Gross Expenditures	25.83	34.57	32.67	45.26	0.79	0.76
Net Costs	8.76	12.27	16.44	26.18	0.53	0.47

Per Capita Federal Expenditures
on Health Services and Supplies by Program,
Fiscal Years 1973 and 1976

Program	Massachusetts (\$)		USA (\$)		Ratio: Mass./USA	
	1973	1976	1973	1976	1973	1976
ALL PROGRAMS	135.84	190.94	103.85	168.60	1.31	1.13
Medicare	68.69	95.97	45.17	82.69	1.52	1.16
Worker's Compensation	0.03	0.10	0.15	0.31	0.20	0.32
Medicaid	37.42	60.40	23.81	38.98	1.57	1.55
Gen. Hosp. & Med. Care	0.72	1.18	3.84	5.88	0.19	0.20
Defense Dept. Hosp. & Med. Care	5.22	3.19	11.76	15.03	0.44	0.21
Maternal & Child Health Services	1.67	0.84	1.05	1.42	1.59	0.59
Gov't. Public Health Activities	6.79	6.47	4.34	5.78	1.56	1.12
Veterans' Hospital & Med. Care	14.78	22.22	12.33	17.64	1.20	1.26
Medical Vocat. Rehabil- itation	0.29	0.55	0.67	0.85	0.43	0.65
Office of Economic Opportunity	0.34	—	0.72	—	0.47	n. a.

Per Capita Federal Outlays in Massachusetts
and the USA for Health Services and Supplies
by Type of Expenditure, Fiscal Years 1973 and 1976
(In dollars)

Type of Expenditure	Massachusetts		U. S. A.		Ratio: Mass/USA	
	1973	1976	1973	1976	1973	1976
ALL EXPENDITURES	135.81	190.95	103.85	168.60	1.30	1.13
Hospital Care	82.46	114.46	60.96	99.51	1.35	1.15
Physicians' Services	12.35	20.26	14.33	22.72	0.86	0.89
Dentists' Services	2.02	2.61	1.04	1.34	1.94	1.95
Other Professional Services	2.73	3.83	1.07	2.51	2.55	1.53
Drugs and Drug Sundries	2.37	3.78	1.84	2.56	1.29	1.48
Eye Glasses and Appliances	0.22	0.30	0.22	0.28	1.00	1.07
Nursing Home Care	17.28	24.45	8.81	15.89	1.96	1.54
Government Public Health Activities	6.76	6.46	4.34	5.78	1.56	1.12
Other Health Services	5.82	7.45	7.88	6.15	0.74	1.21
Administration	3.86	7.33	3.36	11.85	1.15	0.62

TABLE 108

Comparison of Massachusetts and
National Per Capita State and Local Government
Health Expenditures by Type of Expenditure

Type of Expenditure	Massachusetts (\$)		U. S. A. (\$)		Ratio: Mass/USA	
	1973	1976	1973	1976	1973	1976
ALL TYPES	86.16	119.66	52.42	79.32	1.64	1.51
Hospital Care	43.39	60.21	29.78	41.87	1.46	1.44
Physicians' Services	5.49	8.33	5.37	8.13	1.03	1.02
Dentists' Services	1.59	2.27	0.49	0.84	3.24	2.70
Other Professional Services	0.81	0.92	0.56	1.18	1.45	0.78
Drugs and Drug Sundries	2.42	3.89	1.56	2.20	1.55	1.77
Eye Glasses and Appliances	0.15	0.22	0.17	0.25	0.88	0.88
Nursing Home Care	14.56	20.48	6.31	11.34	2.31	1.81
Government Public Health Activities	14.61	17.93	5.91	9.36	2.47	1.92
Other Health Services	1.68	2.24	1.44	2.72	1.17	0.82
Administration	1.46	3.17	0.84	1.42	1.74	2.23

Comparison of Massachusetts and
National Per Capita State and Local Government
Expenditures by Major Program

Program	Massachusetts (\$)		U. S. A. (\$)		Ratio: Mass/USA	
	1973	1976	1973	1976	1973	1976
ALL PROGRAMS	86.16	119.66	52.42	79.32	1.64	1.51
Temporary Disability Insurance	n. a.	n. a.	0.33	0.34	n. a.	n. a.
Workers' Compensation	7.00	9.56	6.21	9.58	1.13	1.00
Medicaid	37.43	60.41	20.08	32.28	1.86	1.87
General Hospital and Medical Care	26.75	30.93	18.62	26.22	1.44	1.18
Maternal and Child Health Services	0.30	0.73	1.12	1.33	0.27	0.55
Government Public Health Activities	14.61	17.93	5.91	9.36	2.47	1.92
Medical Vocational Rehabilitation	0.07	0.10	0.17	0.21	0.41	0.48

TABLE 110

TABLE 111

Medicare Expenditures per Person
Age 65 and Over, Fiscal Years 1973 and 1976

Type of Expenditure	Massachusetts (\$)		U. S. A. (\$)		Ratio: Mass./USA	
	1973	1976	1973	1976	1973	1976
ALL TYPES	611.04	826.36	444.41	772.91	1.38	1.07
Hospital Care	472.83	606.15	322.02	556.91	1.47	1.09
Physicians' Services	83.67	134.90	89.21	154.26	.94	.87
Other Prof. Services	15.95	25.42	5.60	12.34	2.85	2.06
Nursing Home Care	18.05	22.86	7.73	13.13	2.34	1.74
Administration	20.56	37.00	19.86	36.30	1.04	1.02

Ten Leading States in Total Medicaid Expenditures, 1976¹

National Rank	State	Estimated Annual Medicaid Expenditures (\$ million)	Annual Benefit per Medicaid Recipient (\$)	Expenditure per Person in Pop. (\$)	Per Capita Ratio to US Average
	ENTIRE U. S.	14,986	1,608	69.81	1.00
1.	New York	3,242	2,688	179.27	2.57
2.	California	2,045	1,344	95.02	1.36
3.	Pennsylvania	834	2,808	70.30	1.01
4.	Illinois	826	1,020	73.55	1.05
5.	Michigan	739	1,656	81.17	1.16
6.	Texas	632	1,620	50.61	.72
7.	Massachusetts	621	1,368	106.90	1.53
8.	Ohio	449	1,560	42.00	.60
9.	Wisconsin	425	2,112	92.21	1.32
10.	New Jersey	410	1,440	55.89	.80

¹ Federal, state, and local shares combined.

Claims Incurred and Membership
of Blue Cross—Blue Shield of Massachusetts
by Year

	1973	1974	1975	1976	1977
Claims Incurred (\$ million)					
Blue Cross	385	431	538	638	688
Blue Shield	132	145	175	210	252
TOTAL	517	576	713	848	940
Membership (Millions of persons)	3.30	3.40	3.35	3.30	3.35
Claims Incurred per Member (\$)	157	169	213	257	281

Source: Blue Cross—Blue Shield of Massachusetts. Annual Report 1977. Boston, 1978.

Enrollment,
Benefit Payments and Premium Income
for Massachusetts Health Maintenance Organizations (HMOs)

	1973	1974	1975	1976	1977
Enrollment (persons)	34,416	47,235	59,735	74,468	92,746
Number of plans serving Mass. residents	2	4	4	5	7
Benefit payments (\$1,000)	7,842	8,873	13,620	19,454	32,872
Premium Income (\$1,000)	7,436	9,727	14,375	20,583	34,635
Benefit payments per enrollee (\$)	227.85	187.84	228.01	261.25	354.44
Premium income per enrollee (\$)	216.06	205.92	240.65	276.40	373.44
Benefit payments as % of premium income	110.5	91.2	94.8	94.5	95.7

**MASSACHUSETTS HOSPITAL EXPENDITURES,
BY TYPE OF HOSPITAL, AND HEALTH SERVICE AREA, 1976**
(in Thousands)

TYPE OF HOSPITAL		HEALTH SERVICE AREA						STATE
		I	II	III	IV	V	VI	
ACUTE, NON-FEDERAL	\$ N	186,454 (17)	168,681 (17)	95,718 (8)	998,163 (52)	170,449 (16)	176,304 (16)	1,795,769 (126)
CHRONIC, NON-FEDERAL	\$ N	10,037 (4)	8,023 (4)	13,460 (4)	70,309 (15)	10,899 (5)	17,401 (1)	124,469 (33)
PSYCHIATRIC, NON-FEDERAL	\$ N	10,755 (2)	10,161 (3)	2,590 (2)	72,770 (15)	21,571 (4)	12,240 (2)	130,087 (28)
FEDERAL	\$ N	16,699 (1)	— (1)	NONE	84,910 (4)	22,347 (1)	NONE	123,948 (7)
TOTAL ALL HOSPITALS	\$ N	223,936 (24)	186,865 (25)	111,769 (14)	1,226,152 (86)	225,266 (26)	190,291 (19)	2,164,274 (194)

Note: a) Number of hospitals in each cell is in parentheses ().

b) Expenditures include research and teaching expenditures.

Sources: Data were obtained from the first source below to which the hospital reported expenditures: Annual Hospital Statistical Report, Massachusetts Department of Public Health;
Hospital Cost Report, prepared by Department of Provider Contracts Evaluation, Blue Cross of Massachusetts;
Guide to the Health Care Field, 1977;
Executive Budget Recommendations, Commonwealth of Massachusetts, FY 1978;
Massachusetts Rate Setting Commission, Form 401, Schedule VI.

**ADJUSTED EXPENDITURES OF MASSACHUSETTS
NURSING AND REST HOMES — 1976**
(in \$1000s)

SUB-AREA	ALL HOMES		NURSING HOMES ¹		REST HOMES ²	
	NUMBER	EXPENDITURES	NUMBER	EXPENDITURES	NUMBER	EXPENDITURES
STATE	838	\$398,234	601	\$370,769	237	\$27,465
HSA I	112	50,912	67	44,925	45	5,987
1-1	29	11,426	17	10,317	12	1,109
1-2	29	9,205	16	7,779	13	1,427
1-3	54	30,281	34	26,830	20	3,451
HSA II	125	53,149	78	47,654	47	5,495
2-1	41	14,252	20	12,528	21	1,723
2-2	54	26,016	34	22,941	20	3,074
2-3	30	12,882	24	12,184	6	697
HSA III	70	35,687	51	33,567	19	2,119
3-1	25	13,251	19	12,695	6	556
3-2	19	12,107	15	11,353	4	754
3-3	26	10,329	17	9,520	9	809
HSA IV	294	150,610	231	143,327	63	7,283
4-1	119	61,878	94 ³	58,918	25	2,960
4-2	45	22,840	33	21,554	12	1,287
4-3	77	36,776	57	34,282	20	2,494
4-4	17	8,473	15	8,285	2	187
4-5	36	20,643	32	20,288	4	355
HSA V	136	66,551	102	63,000	34	3,552
5-1	11	5,106	7	4,365	4	741
5-2	28	15,751	25	15,553	3	197
5-3	17	6,725	11	6,148	6	577
5-4	16	5,742	12 ⁴	5,342	4	399
5-5	20	11,630	17	11,208	3	422
5-6	24	10,875	15	10,256	9	619
5-7	20	10,722	15	10,127	5	596
HSA VI	101	41,326	72	38,296	29	3,030
6-1	15	6,146	7	5,310	8	836
6-2	17	8,848	11	8,249	6	599
6-3	27	11,543	18	10,705	9	838
6-4	20	7,109	15	6,588	5	521
6-5	22	7,680	21	7,445	1	235

Figures may not sum correctly due to rounding.

¹Primarily Levels I-III beds, although approximately 34 homes contain Level IV beds as well as Levels I-III beds.

²Contains only Level IV beds.

³Excludes Provident Nursing Home since no data were available.

⁴Excludes Marian Manor since no data were available.

SOURCE: Massachusetts Department Public Health Nursing and Rest Home Annual Report, 1976. Missing data were estimated by using 1975 expenditure increased by 7% if available, otherwise expenditures were set equal to revenues estimated from the one-day census for 1976.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

PREVENTIVE MEDICINE

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

PREVENTIVE MEDICINE

Preventive medicine can be thought of both as the maintenance of good health and as the prevention of unnecessary disease, disability and death. Prevention can be divided into three levels. "Primary prevention implies health promotion and specific protection by removing the underlying cause of a disease or group of diseases. Secondary prevention involves early diagnosis of a disease and prompt treatment to avoid disability or death. Tertiary prevention is concerned with conditions that cannot presently be cured or reversed, but which can be alleviated or improved by rehabilitative measures." ("A Program for Prevention in Massachusetts," Massachusetts Department of Public Health, February 24, 1977., p. 5).

The Department of Public Health has begun to take major initiatives in the area of prevention. The need for statistical data to first identify major problem areas and later evaluate the effectiveness of programs has been recognized. The following tables are the first step toward meeting those data needs. They include figures on diseases and/or conditions at all three levels of prevention; primary, secondary and tertiary. The common link between the wide range of topics presented — from smoking-related deaths to the availability of emergency medical services — is that each explores a possible area in which preventive measures could improve the population's health.

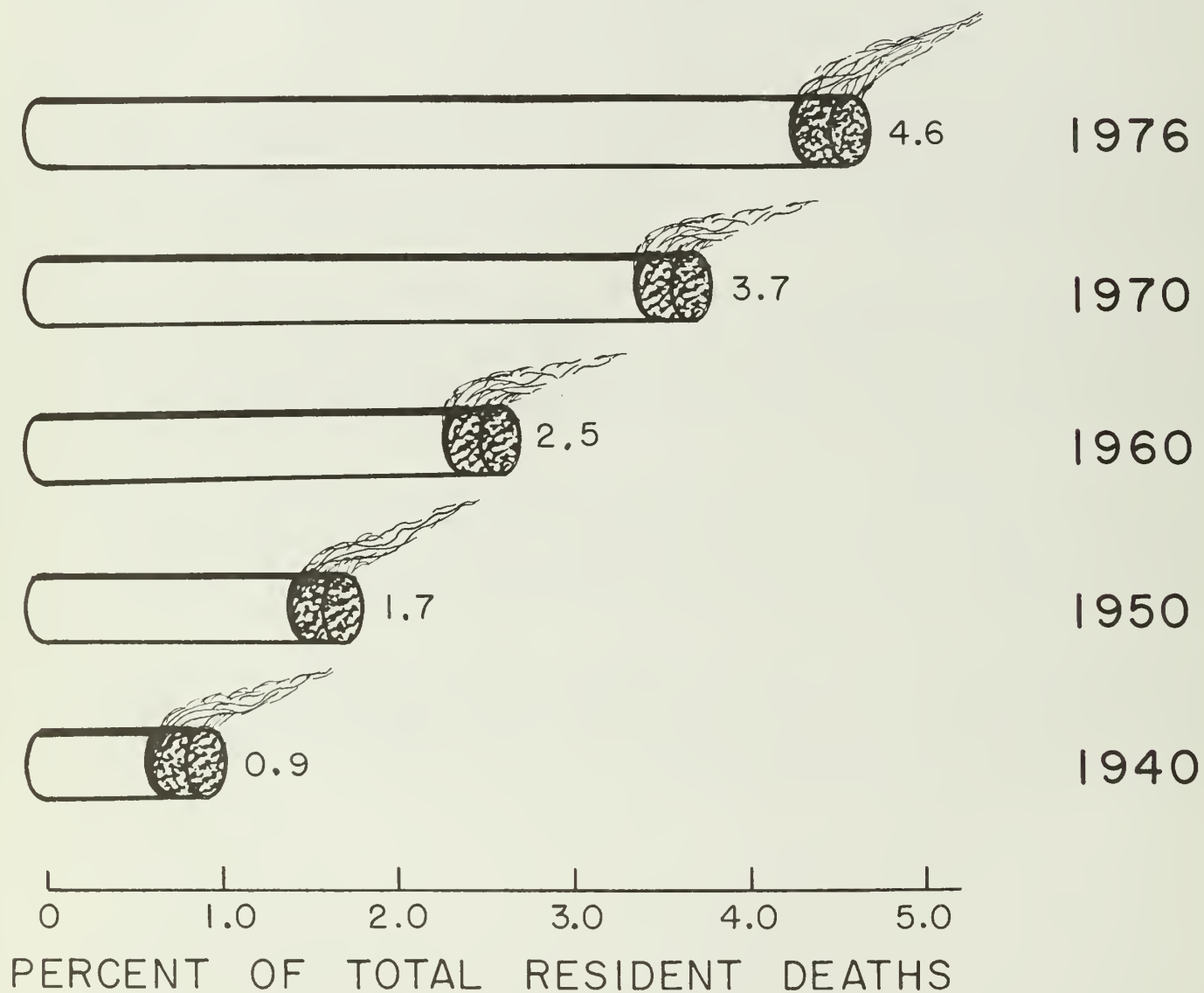
The deaths and incidence of disease categorized at the level of primary prevention are by far the most alarming. Cigarette-related diseases such as cancer of the respiratory system, cancer of the lungs, and emphysema show continued rapid increase in the death rate from 1940 to 1976. Alcoholism remains a major preventable health problem for over five percent of the state's population, while accidental deaths continue to account for a large percentage of total deaths. In 1976, motor vehicle deaths represented 52% of all deaths for males 15-19 years of age. Primary prevention programs could make a serious impact on many of the leading causes of mortality and morbidity.

The information provided on immunization and the incidence of communicable diseases — secondary prevention — is more heartening. The schools are reporting an increasingly higher percentage of their kindergarten children who are fully immunized. This can be seen as a result of the Department's very active Immunization Program. A decline in reported incidence of selected communicable diseases is also apparent. Even for syphilis and gonorrhea, which are reaching epidemic levels, a small decline can be seen in Massachusetts between 1975 and 1976.

The final pages of this section deal with preventable diseases which result in hospitalization or death, estimated for Massachusetts, based on the work of David Rutstein, M.D. ("Measuring the Quality of Medical Care," *New England Journal of Medicine* 294: 582-588, March 11, 1976.). A separate introduction precedes these tables. It is hoped that the presentation of Massachusetts data in this form will provoke both questions and answers relating to the tasks of preventive medicine.

FIGURE 22

PERCENT OF TOTAL MASSACHUSETTS RESIDENT DEATHS DUE TO
CANCER OF THE RESPIRATORY SYSTEM
1940, 1950, 1960, 1970, 1976



DEATHS RATES⁽¹⁾ BY SELECTED CAUSE BY SEX
MASSACHUSETTS, 1940-1976

CAUSE OF DEATH		1940	1950	1960	1970	1975	1976	% CHANGE 1940-1976
CANCER OF THE PHARYNX	M	2.9	3.2	4.0	3.3	2.1	1.6	-45
	F	.6	.6	.6	1.0	.9	.6	-33
CANCER OF THE PANCREAS	M	6.9	9.2	11.0	10.7	12.6	12.6	+48
	F	5.3	6.6	8.1	8.1	9.2	9.2	+85
CANCER OF THE LARYNX	M	2.6	3.3	4.0	3.4	3.8	3.7	+42
	F	.3	.3	.4	.4	.5	.5	+67
CANCER OF THE LUNG, BRONCHUS TRACHEA	M	12.4	25.1	42.4	58.0	62.5	62.7	+406
	F	4.0	5.3	7.0	13.3	18.3	19.9	+398
CANCER OF THE BLADDER	M	8.1	8.6	9.2	7.5	7.4	6.7	-17
	F	3.5	3.8	3.5	3.1	4.0	3.3	-6
CANCER OF THE RESPIRATORY SYSTEM	M	15.6	30.5	47.6	62.1	67.2	67.0	+329
	F	4.8	6.3	8.2	13.9	19.1	20.7	+331
EMPHYSEMA	M	.1	.8	7.3	18.7	12.1	10.9	+10,800
	F	.05	.1	1.1	3.1	3.3	3.3	+6,500
BRONCHITIS	M	3.4	2.6	5.1	5.3	2.7	3.1	-9
	F	2.3	.9	2.0	1.6	.9	1.7	-26

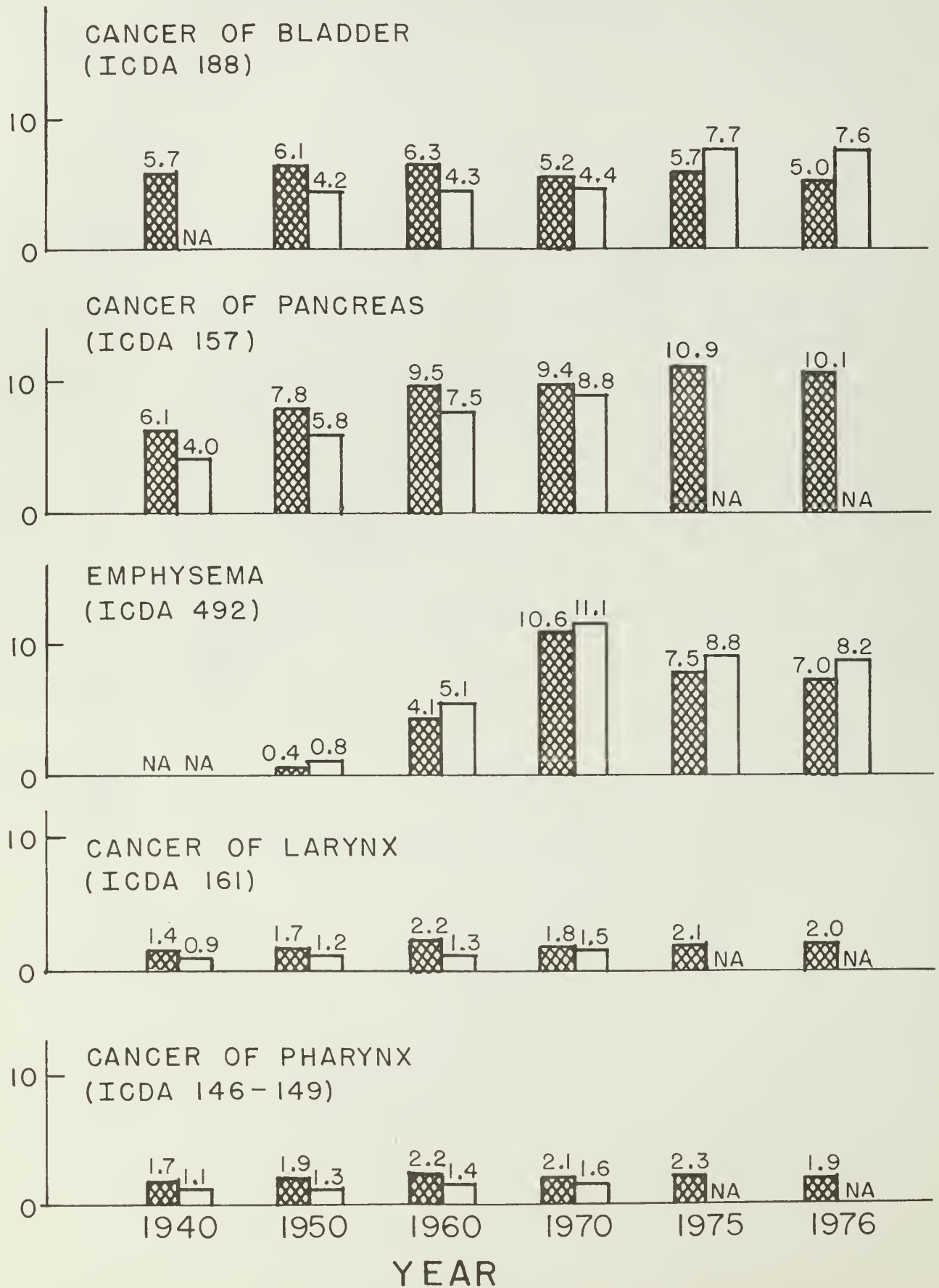
⁽¹⁾ Rates per 100,000 specific population.

SOURCE: NUMERATORS — Annual Report of Vital Statistics; Massachusetts Department of Public Health — 1940, 1950, 1960, 1970, 1975, 1976.

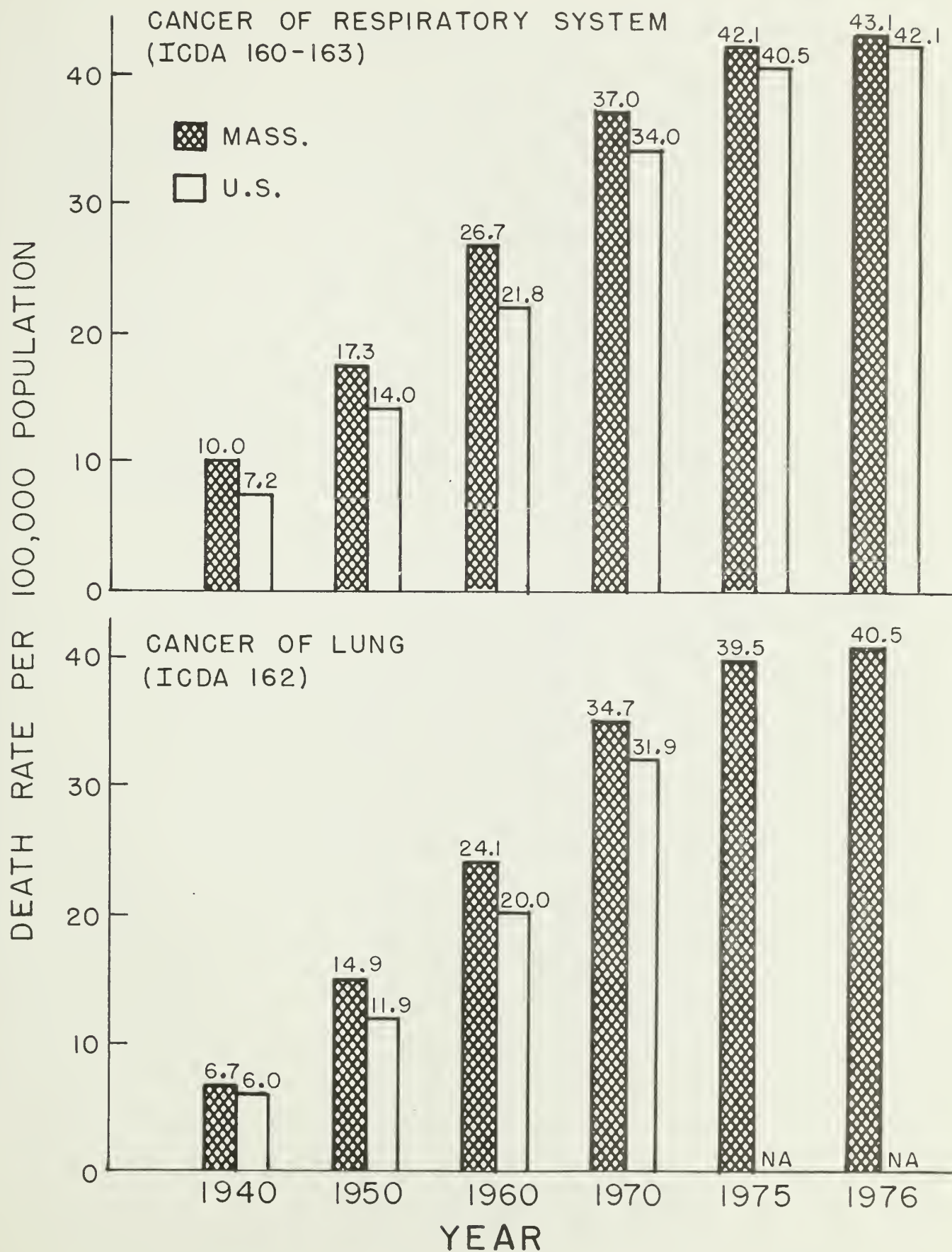
DENOMINATORS — 1970, 1960, 1950, 1940; Census of the Population, General Characteristics, 1970, Table 17. 1975 and 1976 denominators use figures from Mass. Dept. of Administration and Finance's Arithmetical Projection Method.

FIGURE 23

DEATH RATES DUE TO CIGARETTE SMOKING-RELATED DISEASES
MASSACHUSETTS AND UNITED STATES
1940, 1950, 1960, 1970, 1975, 1976



DEATH RATES DUE TO CIGARETTE SMOKING-RELATED DISEASES
MASSACHUSETTS AND UNITED STATES
1940, 1950, 1960, 1970, 1975, 1976 (Cont.)



POTENTIAL YEARS OF LIFE LOST, RATE PER 10,000 PERSON YEARS, 1969-1973
CIGARETTE RELATED DISEASES, MASSACHUSETTS RESIDENTS

		1-4		5-14		15-17		18-24		25-44		45-64		65+		TOTAL LOST		PRODUCTIVE YEARS LOST 18-64	
		Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate
CANCER OF THE TRACHEA, BRONCHUS AND LUNG ICDA 162	M	0	0	0	0	54	.1	100	.1	6,258	2.7	59,008	50.7	41,458	230.0	106,879	9.9	27,057	6.8
	F	0	0	66	0	0	0	170	.1	3,727	1.3	24,063	14.5	11,450	33.3	39,477	3.1	10,554	2.5
BRON- CHITIS, EMPHY- SEMA AND ASTHMA ICDA 490- 493	M	270	.2	299	.1	168	.1	341	.2	1,688	.7	13,077	11.2	19,176	106.4	34,959	3.3	5,803	1.5
	F	293	.2	617	.2	61	.1	394	.2	1,243	.4	7,198	4.3	6,206	18.1	16,012	1.3	3,459	.8

SOURCE: Massachusetts Department of Public Health Standard Mortality Ratios, 1976

ESTIMATED MASSACHUSETTS PER CAPITA CIGARETTE CONSUMPTION
1940, 1950, 1960, 1970, 1975

	1940	1950	1960	1970	1975
MASS. POPULATION ⁽¹⁾ (15 YEARS AND OLDER)	3,376,295	3,581,438	3,667,745	4,121,347	4,421,505
MASS. CIGARETTE ⁽²⁾ TAX REVENUE	\$7,360,571	\$12,946,356	\$39,255,298	\$72,255,491	\$114,491,691
TAX PER PACK	\$.02	\$.04	\$.06	\$.12	\$.21
PER CAPITA PACKS SOLD	109	90	178	146	123

⁽¹⁾ 1940, 1950, 1960, 1970, 1975 population figures from Bureau of the Census, U.S. Dept. of Commerce.

⁽²⁾ Tax revenue figures and tax per pack obtained from Mass. Office of Corporation and Taxation, Public Relations Division.

FIGURE 24

TOTAL MASSACHUSETTS RESIDENT DEATHS DUE TO DISEASES RELATED
TO CIGARETTE SMOKING — 1969-1976



ESTIMATED NUMBER OF ALCOHOLICS BY HSA, 1975

HSA	POPULATION 1975 U.S. CENSUS	ORIGINAL JELLINEK FORMULA	REVISED JELLINEK FORMULA	4.7% OF GENERAL POPULATION	DRINKING AGE POPULATION (DAP) FORMULA	SUICIDE FORMULA	AVERAGE OF 5 METHODS	RATE/100,000 USING 5 METHOD AVERAGE
I	822,480	35071 (4264) ² .	56672 (6890)	38657 (4700)	42309 (5144)	29863 (3631)	40514	4926 [4] ³ .
II	676,766	29386 (4342)	47483 (7016)	31808 (4700)	34423 (5086)	24213 (3578)	33463	4944 [3]
III	478,672	21446 (4480)	34653 (7239)	22498 (4700)	23215 (4850)	14931 (3119)	23349	4878 [5]
IVA	568,158	21668 (3814)	35014 (6163)	26703 (4700)	30509 (5370)	23810 (4191)	27541	4847 [6]
IVB	775,385	44802 (5778)	72395 (9337)	36443 (4700)	43881 (5959)	32284 (4164)	45961	5928 [1]
IVC	882,165	24386 (2764)	39406 (4467)	41461 (4700)	42784 (4850)	36723 (4163)	36952	4189 [8]
V	964,953	37010 (3835)	59806 (6198)	45353 (4700)	44592 (4621)	43584 (4517)	46069	4774 [7]
VI	647,597	28319 (4373)	45760 (7066)	30437 (4700)	34823 (5377)	25424 (3026)	32953	5088 [2]
STATE	5,816,176	242,086 (4162)	391,189 (6726)	273,360 (4700)	296,536 (5099)	230,832 (3969)	286,802	4931 ⁴ .

¹Based upon 1975 Massachusetts Population Projections, U.S. Census; and 1975 DPH Health Statistics; Rates/100,000²The number in each parenthesis is the rate/100,000³[] rank in state⁴The formulas for calculating all five methods may be obtained from the Massachusetts Department of Public Health, Division of Alcoholism.

TABLE 120

The total number of liver cirrhosis deaths and an estimate of the number of alcoholics in each Health Service Area and subarea for 1975

HEALTH SERVICE AREA	1975 ¹ POPULATION ESTIMATE	LIVER CIRRHOISIS DEATHS		ESTIMATED ² NUMBER OF ALCOHOLICS	% OF ALCOHOLICS IN STATE	RANK BY ³ NUMBER OF ALCOHOLICS
		MALES	FEMALES			
HSA I						
SUBAREA 1	149,474	16	8	8,009	2.41	18
SUBAREA 2	171,015	18	6	8,830	2.66	16
SUBAREA 3	501,991	68	33	30,825	9.28	3
TOTAL	822,480	102	47	47,665	(14.35)	[3]
HSA II						
SUBAREA 1	207,809	28	15	12,835	3.86	8
SUBAREA 2	247,512	34	10	14,795	4.45	6
SUBAREA 3	221,445	26	7	12,016	3.62	9
TOTAL	676,766	88	32	39,646	(11.93)	[4]
HSA III						
SUBAREA 1	223,714	31	16	14,011	4.22	7
SUBAREA 2	145,049	17	5	7,896	2.38	20
SUBAREA 3	109,909	16	3	6,664	2.01	21
TOTAL	478,672	64	24	28,576	(8.60)	[6]
HSA IV						
SUBAREA 1	775,385	131	58	54,419	16.38	1
SUBAREA 2	568,158	62	32	30,859	9.29	2
SUBAREA 3	397,150	30	20	18,177	5.47	4
SUBAREA 4	166,771	8	9	6,580	1.98	22
SUBAREA 5	318,244	28	18	15,678	4.72	5
TOTAL	2,225,708	259	137	125,712	(37.83)	[1]
HSA V						
SUBAREA 1	79,553	9	11	4,935	2.39	19
SUBAREA 2	197,832	20	10	10,270	3.09	10
SUBAREA 3	124,213	7	4	4,928	1.48	25
SUBAREA 4	94,787	10	8	5,286	1.59	24
SUBAREA 5	153,261	23	6	9,612	2.89	11
SUBAREA 6	158,516	16	7	8,139	2.45	17
SUBAREA 7	156,791	17	20	9,411	2.83	12
TOTAL	964,953	102	66	52,580	(15.82)	[2]
HSA VI						
SUBAREA 1	107,138	16	0	6,355	1.91	23
SUBAREA 2	134,622	21	10	9,024	2.72	15
SUBAREA 3	134,462	21	13	9,268	2.79	13
SUBAREA 4	115,355	6	3	4,397	1.32	26
SUBAREA 5	156,020	18	13	9,055	2.73	14
TOTAL	647,597	82	39	38,099	(11.47)	[5]
STATE TOTALS	5,816,176	697	345	332,275	100	—

¹U.S. Census Bureau estimate

²This estimate is based on the average of two methods: (1) 4.7% of the general population, and (2) revised (1960) Jellinek Formula.

³[] HSA rank in state

SOURCE: Massachusetts Department of Public Health, Division of Alcoholism

**FATAL AND NON-FATAL AUTOMOBILE INJURIES IN MASSACHUSETTS
BY HEALTH SERVICE AREA, 1976⁽¹⁾**

		HEALTH SERVICE AREA						
		I	II	III	IV	V	VI	STATE
N O N F A T A L	No. of Injuries	10,309	9,734	7,167	26,962	14,837	7,888	76,897
	Injuries per 100,000 Pop.	1,253	1,438	1,497	1,211	1,538	1,218	1,322
	Rank in State per 100,000 Pop.	4	3	2	6	1	5	
F A T A L	No. of Injuries	143	116	71	258	165	56	809
	Injuries per 100,000 Pop.	17	17	15	12	17	9	14
	Rank in State per 100,000 Pop.	1	1	2	3	1	4	

(1) Totals reflect occurrence and do not necessarily represent Massachusetts residents.

SOURCE: Commonwealth of Massachusetts
Registry of Motor Vehicles, Statistician's Office

FIGURE 25

SELECTED CAUSES OF DEATH DUE TO "SOCIETAL ACCIDENTS"
BY AGE GROUP FOR MASSACHUSETTS RESIDENTS — 1970, 1973, 1976



SELECTED CAUSES OF DEATH DUE TO "SOCIETAL ACCIDENTS"
 BY AGE GROUP FOR MASSACHUSETTS RESIDENTS - 1970, 1973, 1976 (Cont.)

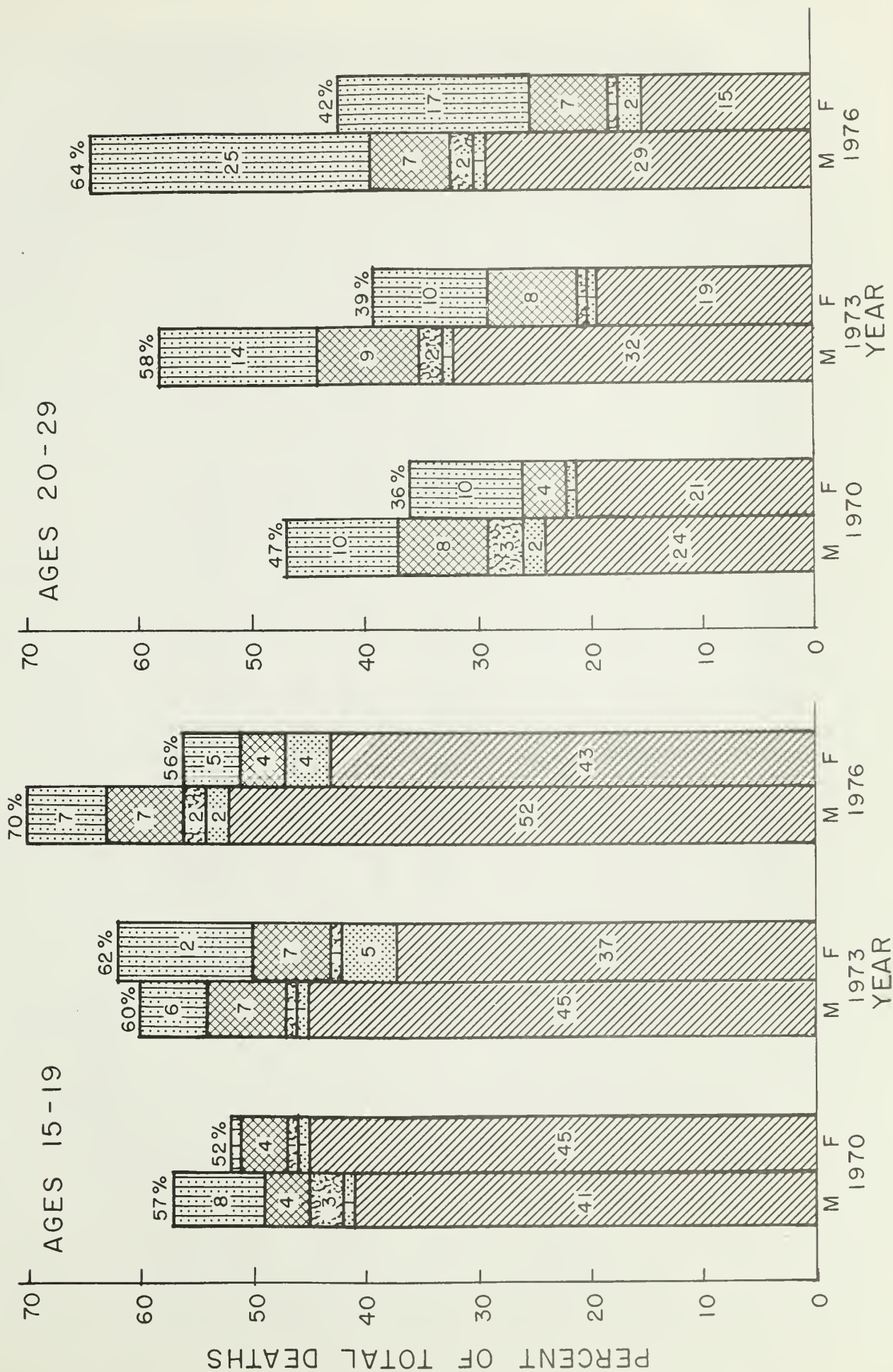


TABLE 122

POTENTIAL YEARS OF LIFE LOST AND RATE PER 10,000 PERSON YEARS, 1969-1973
ACCIDENT RELATED DEATHS, MASSACHUSETTS RESIDENTS

	1-4		5-14		15-17		18-24		25-44		45-64		65+		TOTAL COST		PRODUCTIVE YEARS LOST 18-64	
	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate	Total Years	Rate
MOTOR VEHICLE ACCIDENTS, ICDA 810-823	M 4,393	3.4	14,188	4.2	17,384	20.7	51,706	33.5	32,604	13.9	11,750	10.1	4,152	23.0	136,177	12.7	77,386	19.5
	F 5,048	3.7	7,849	2.2	8,580	9.3	15,058	7.6	10,746	3.8	7,456	4.5	3,191	9.3	57,930	4.5	21,753	5.1
ALL OTHER ACCIDENTS, ICDA 800-7; 825-45; 850-77; 890-9; 900-49	M 10,387	8.0	17,832	5.3	9,237	11.0	18,670	12.1	19,952	8.5	11,849	10.2	3,106	17.2	91,032	8.5	37,879	9.5
	F 5,956	4.3	6,181	1.7	2,066	2.2	3,532	1.8	6,687	2.3	5,880	3.5	3,411	9.9	33,714	2.6	9,155	2.1
ACCIDENTAL FALLS, ICDA 880-887	M 1,151	.9	1,090	.3	428	.5	2,423	1.6	4,122	1.8	6,630	5.7	6,959	38.6	22,803	2.1	8,225	2.1
	F 1,048	.8	470	.1	62	.1	394	.2	996	.3	3,188	1.9	11,972	34.9	18,130	1.4	1,974	.5
SUICIDE, ICDA 950-959	M 0	0	734	.2	2,094	2.5	14,290	9.2	20,629	8.8	11,727	10.1	2,411	13.4	51,885	4.8	34,847	8.8
	F 0	0	190	.1	609	.7	4,257	2.2	13,188	4.6	7,461	4.5	1,431	4.2	27,135	2.1	15,196	3.5

SOURCE: Massachusetts Department of Public Health
Standard Mortality Ratios, 1976

**REPORTED INCIDENCE OF SELECTED COMMUNICABLE DISEASE
IN MASSACHUSETTS BY HEALTH SERVICE AREA—1975, 1976**

DISEASE		YEAR		HEALTH SERVICE AREA						STATE
				I	II	III	IV	V	VI	
				NUMBER OF REPORTED CASES						
CHICKEN POX	1975	969	696	522	2,074	499	564	5,324		
	1976	1,419	917	462	2,751	823	664	7,036		
DYSENTERY	1975	69	12	8	228	67	31	415		
	1976	20	15	11	193	11	15	265		
GERMAN MEASLES	1975	166	315	20	430	196	96	1,223		
	1976	24	13	8	80	60	5	190		
HEPATITIS (VIRAL)	1975	195	97	65	374	112	73	917		
	1976	171	73	80	266	118	64	772		
MEASLES	1975	49	35	4	9	7	2	106		
	1976	28	0	0	4	7	1	40		
MENINGITIS	1975	35	15	16	100	50	25	241		
	1976	30	12	19	81	31	15	188		
MUMPS	1975	54	80	18	76	37	43	308		
	1976	27	33	8	35	38	13	154		
SALMONELLOSIS	1975	129	96	49	376	71	80	801		
	1976	141	90	55	482	111	79	958		
SCARLET FEVER	1975	125	93	75	645	137	48	1,132		
	1976	127	151	109	866	337	68	1,658		
STREPTOCOCCAL S.T.	1975	1,912	570	264	1,811	669	503	5,729		
	1976	1,727	336	130	2,076	915	667	5,851		
GONORRHEA	1975	1,050	832	392	8,785	1,161	747	12,967		
	1976	1,140	754	506	8,376	1,374	718	12,868		
SYPHILIS	1975	158	50	56	867	149	55	1,335		
	1976	194	69	38	830	135	61	1,327		
TUBERCULOSIS	1975	88	68	44	343	111	65	719		
	1976	62	58	41	341	102	65	669		

SOURCE: Massachusetts Department of Public Health, Division of Communicable Diseases, Division of Tuberculosis Control and Local Health

TABLE 124

**TRENDS IN REPORTED INCIDENCE OF SELECTED COMMUNICABLE
DISEASES IN MASSACHUSETTS – 1972-1975**

DISEASE	NUMBER OF REPORTED CASES				
	1976	1975	1974	1973	1972
CHICKEN POX	7,036	5,324	8,051	10,613	9,320
DYSENTERY*	265	415	659	453	381
GERMAN MEASLES (RUBELLA)*	190	1,223	385	2,046	526
HEPATITIS (VIRAL)*	772	917	1,120	1,415	1,778
MEASLES*	40	106	416	3,953	1,189
MENINGITIS	188	241	195	381	148
MUMPS	154	308	1,118	1,332	829
SALMONELLOSIS	958	801	740	796	796
SCARLET FEVER	1,658	1,132	2,112	1,713	1,060
STREPTOCOCCAL S.T.	5,851	5,729	8,250	8,326	5,984
GONORRHEA	12,868	12,967	11,340	11,279	10,430
SYPHILIS	1,327	1,335	1,584	2,225	1,836
TUBERCULOSIS	669	719	650	680	734

* According to Dr. David Rutstein in his article "Measuring the Quality of Medical Care", *New England Journal of Medicine* 294: 582-588 (March 11, 1976), Rubella and Measles are Table A Conditions, meaning the occurrence of the disease is preventable. In addition he lists Dysentery and Hepatitis as Table B diseases, meaning the incidence above a certain level is preventable.

SOURCE: Massachusetts Department of Public Health
Division of Communicable Diseases

**SELECTED COMMUNICABLE DISEASE DEATHS
TO MASSACHUSETTS RESIDENTS – 1976**

ICDA CODE	DISEASE	DEATHS
052	Chicken Pox	2
009.1	Diarrhea of Newborn	1
323	Encephalitis	5
005	Food Poisoning	2
007	Hepatitis	10
320	Meningitis	32
072	Mumps	1
003	Salmonellosis	1
038.0	Streptococcal S.T.	4
010-019	Tuberculosis	61
098	Gonorrhea	4
090-097	Syphilis	5

SOURCE: Massachusetts Department of Public Health
Registry of Vital Records and Statistics

TABLE 126

Kindergarten Immunization
Number of Schools at Selected Levels of Immunization By HSA Sub Area — 1976

		Percent of Students Immunized					
HSA		Total Schools	100%	90-99%	80-89%	60-79%	< 60%
I	1	54	22	25	4	3	0
	2	59	35	16	6	2	0
	3	137	51	46	22	16	2
	Total	250	108	87	32	21	2
II	1	61	35	21	4	1	0
	2	73	39	14	11	8	1
	3	52	14	32	6	0	0
	Total	186	88	67	21	9	1
III	1	48	20	25	1	1	1
	2	40	15	11	9	4	1
	3	26	14	12	0	0	0
	Total	114	49	48	10	5	2
IV	1	156	40	50	36	25	5
	2	112	70	35	4	2	1
	3	128	91	32	3	1	1
	4	41	34	6	1	0	0
	5	77	55	18	3	1	0
	Total	514	291	140	47	29	7
V	1	20	6	13	0	1	0
	2	34	15	17	1	0	1
	3	29	15	14	0	0	0
	4	20	10	8	2	0	0
	5	55	15	25	11	4	0
	6	47	19	22	5	1	0
	7	34	16	17	1	0	0
	Total	239	96	116	20	6	1
VI	1	39	34	4	0	1	0
	2	38	17	11	7	2	1
	3	40	23	15	1	1	0
	4	36	24	12	0	0	0
	5	38	15	22	1	0	0
	Total	191	113	64	9	4	1
State		1,494	744	523	139	74	14

Source: Massachusetts Department of Public Health, Division of Communicable Diseases

**LEAD POISONING Pb TEST RESULTS
FOR CHILDREN UNDER 6 YEARS OF AGE, 1/1/76 – 6/30/76**

HSA	Sub Area	NUMBER OF CHILDREN TESTED	NUMBER OF TESTS Pb 40 OR GREATER ⁽¹⁾	PERCENT OF TESTS Pb 40 OR GREATER
I	1	1,341	47	3.5
	2	1,103	82	7.4
	3	4,171	972	23.3
	TOTAL	6,615	1,101	16.6
II	1	1,834	171	9.3
	2	3,554	665	18.7
	3	1,997	227	11.4
	TOTAL	7,385	1,063	14.4
III	1	660	146	22.1
	2	2,426	414	17.1
	3	2,046	276	13.5
	TOTAL	5,132	836	16.3
IV	1	29,223	4,269	14.6
	2	4,326	715	16.5
	3	4,316	306	7.1
	4	1,028	75	7.3
	5	2,487	187	7.5
	TOTAL	41,380	5,552	13.4
V	1	1,661	132	7.9
	2	5,348	583	10.9
	3	1,099	95	8.6
	4	676	85	12.6
	5	2,263	228	10.1
	6	3,732	500	13.4
	7	1,107	78	7.0
	TOTAL	15,886	1,701	10.7
VI	1	2,264	131	5.8
	2	2,885	156	5.4
	3	3,228	462	14.3
	4	507	40	7.9
	5	1,214	122	10.0
	TOTAL	10,098	911	9.0
STATE TOTAL		86,496	11,164	12.9%

⁽¹⁾ A test score of 40 or greater is considered to indicate lead poisoning. The Center for Disease Control of H.E.W. has recently lowered the level at which children are considered to have dangerously elevated blood lead levels to 30.

SOURCE: Massachusetts Department of Public Health
Childhood Lead Poisoning Prevention Program

TABLE 128

LEAD POISONING TEST MONITORING
Distribution of EP Test Results by Age Within HSA-1977

HSA	Age Group	Number Tested	EP Level 00-49	EP Level 50-129	EP Level 130-190	EP Level Over 190	% Lead Poisoned or Iron Deficient (Level 50 or More)
I	0-1	122	94	26	0	2	22.95
	1-2	666	517	114	27	3	22.38
	2-3	700	552	110	14	24	21.15
	3-4	845	659	158	13	15	22.02
	4-5	954	786	132	22	14	17.61
	5-6	569	486	72	8	3	14.59
	6-9	265	210	48	3	4	20.76
	9-18	39	33	5	1	0	15.39
	18-Over	109	80	25	0	4	26.61
	Totals	4,269	3,417	690	88	74	19.96
II	0-1	195	164	24	6	1	15.90
	1-2	921	646	206	36	33	29.86
	2-3	996	713	217	46	20	28.42
	3-4	798	643	140	12	3	19.43
	4-5	871	709	142	13	7	18.60
	5-6	1,250	1,149	90	9	2	8.08
	6-9	772	683	83	5	1	11.53
	9-18	176	155	20	0	1	11.94
	18-Over	145	120	21	4	0	17.25
	Totals	6,124	4,982	943	131	68	18.65
III	0-1	159	124	27	5	3	22.02
	1-2	544	359	117	37	31	34.01
	2-3	809	548	171	41	49	32.27
	3-4	468	282	111	35	40	39.75
	4-5	460	338	92	22	8	26.53
	5-6	275	186	74	11	4	32.37
	6-9	174	111	53	9	1	36.21
	9-18	52	43	7	2	0	17.31
	18-Over	186	133	43	8	2	28.50
	Totals	3,127	2,124	695	170	138	32.08
IV	0-1	391	347	40	2	2	11.26
	1-2	2,245	1,946	258	26	15	13.32
	2-3	2,032	1,747	251	16	18	14.03
	3-4	1,835	1,668	138	11	18	9.10
	4-5	1,978	1,882	127	13	16	7.89
	5-6	1,835	1,723	104	5	3	6.11
	6-9	1,056	983	68	4	1	6.92
	9-18	275	254	14	1	6	7.64
	18-Over	503	458	42	3	0	8.95
	Totals	12,150	10,948	1,042	81	79	9.90

HSA	Age Group		Number Tested EP Level 00-49	EP Level 50-129	EP Level 130-190	EP Level Over 190	% Lead Poisoned or Iron Deficient (Level 50 or More)
V	0-1	316	286	29	1	0	9.50
	1-2	2,429	2,102	295	25	7	13.47
	2-3	2,071	1,690	285	52	44	18.40
	3-4	1,987	1,746	210	24	7	12.13
	4-5	2,273	2,029	229	10	5	10.74
	5-6	1,914	1,728	169	11	6	9.72
	6-9	892	774	107	5	6	13.23
	9-18	287	244	36	4	3	14.99
	18-Over	499	463	26	8	2	7.22
	Totals	12,668	11,062	1,386	140	80	12.68
VI	0-1	180	156	23	0	1	13.34
	1-2	1,256	1,077	147	11	21	14.26
	2-3	1,348	1,096	199	38	15	18.70
	3-4	1,046	897	129	10	10	14.25
	4-5	1,130	1,008	116	1	5	10.80
	5-6	773	671	92	9	1	13.20
	6-9	452	351	97	4	0	22.35
	9-18	99	86	11	2	0	13.14
	18-Over	98	92	6	0	0	6.13
	Totals	6,382	5,434	820	75	53	14.86
State Totals	0-1	1,363	1,171	169	14	9	14.09
	1-2	8,061	6,647	1,137	162	115	17.55
	2-3	7,956	6,346	1,233	207	170	20.24
	3-4	6,979	5,895	886	105	93	15.54
	4-5	7,666	6,692	838	81	55	12.71
	5-6	6,616	5,943	601	53	19	10.18
	6-9	3,611	3,112	456	30	13	13.82
	9-18	928	815	93	10	10	12.18
	18-Over	1,540	1,346	163	23	8	12.60
	Totals	44,720	37,967	5,576	685	492	15.10

Source: Mass. Dept. of Public Health, State Laboratory Institute, Lead Paint Program.

TABLE 129

TABLE 130

**EMERGENCY MEDICAL TECHNICIANS (EMT'S) AND NURSES
IN EMERGENCY MEDICINE TRAINING PROGRAMS BY HSA
1976 and 1977**

(1)	I	II	III	IV	V	VI
NUMBER OF STUDENTS IN EMT COURSES 1976	912	705	233	1762	499	239
NUMBER OF STUDENTS PASSING REGISTRY EXAM 1976 ⁽²⁾	840	486	103	1136	476	297
NUMBER OF NURSES TRAINED IN EMERGENCY MEDICINE 1976	7	2	3	17	18	7
NUMBER OF NURSES TRAINED IN EMERGENCY MEDICINE 1977	49	20	4	62	50	7

(1) Figures for the first and second categories in this column are available by calendar year or as a total since 1975.

(2) Includes students who passed the examination 1976, but may have taken the courses in previous years.

SOURCE: Massachusetts Department of Public Health
Division of Emergency Medical Services

EMERGENCY MEDICINE AS A PHYSICIAN SPECIALTY, 1976

PERCENT OF PROFESSIONAL TIME SPENT IN EMERGENCY MEDICINE	NUMBER OF DOCTORS BY HSA						GRAND TOTAL
	I	II	III	IV	V	VI	
<20%	24	12	2	125	5	7	175
20-50%	17	11	3	59	15	8	113
>50%	26	9	21	34	44	35	169
TOTAL	67	32	26	218	64	50	457

SOURCE: Massachusetts Board of Registration and Discipline in Medicine
Physical Renewal Application, 1976

**AMBULANCE CREW COMPOSITION
CREW SIZE AND EMERGENCY MEDICAL TECHNICIAN STATUS
BY PERCENT OF RUNS⁽¹⁾
1976 and 1977**

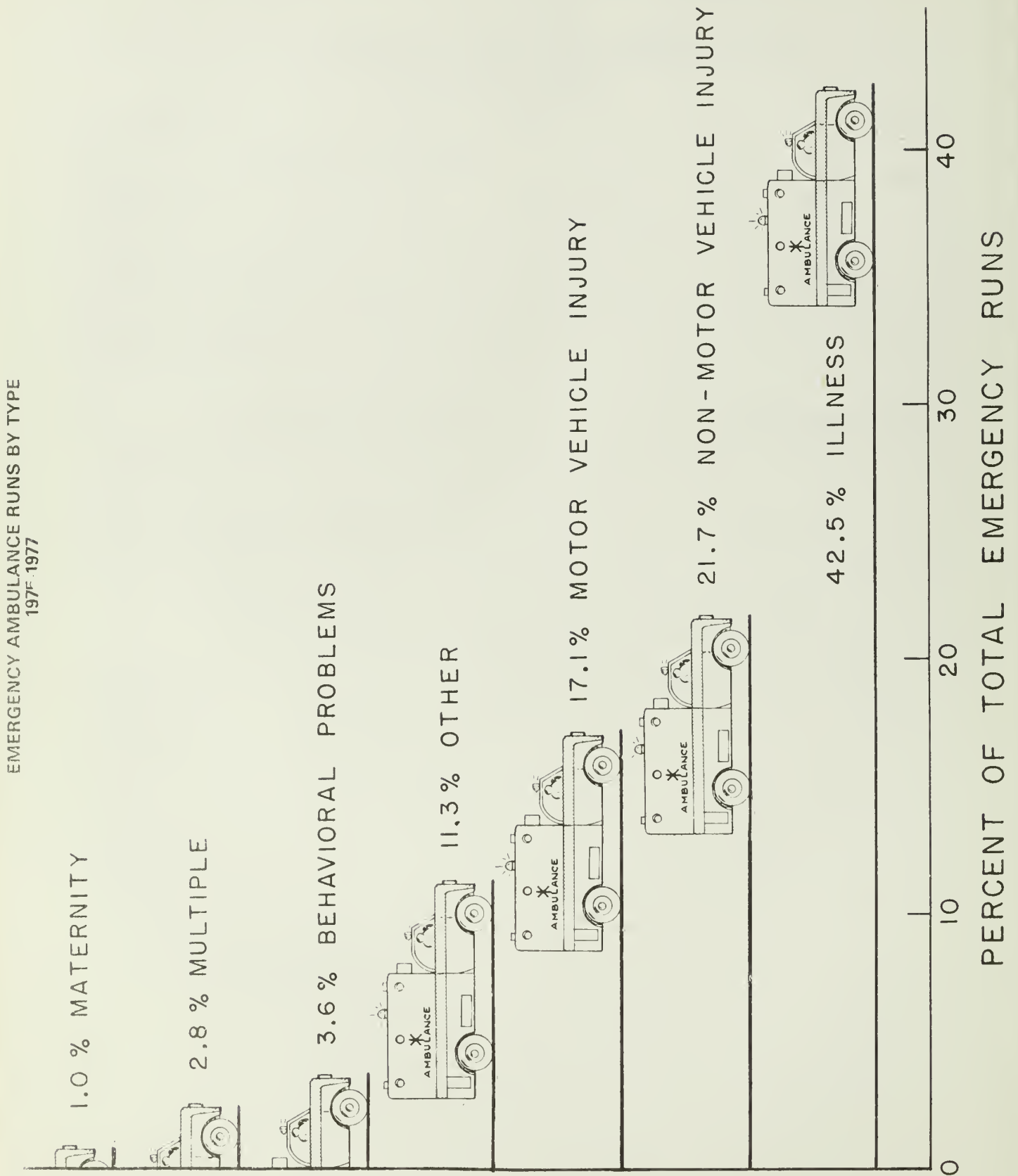
AMBULANCE CREW SIZE (1976)	NUMBER OF E.M.T.'S IN CREW				
	0	1	2	≥3	TOTAL
1	0.5	1.1	—	—	1.6
2	6.1	28.7	37.5	—	72.3
3 (or more)	0.8	4.3	10.8	10.2	26.1
TOTAL	7.5	34.1	48.2	10.2	100.0

AMBULANCE CREW SIZE (1977)	NUMBER OF E.M.T.'S IN CREW				
	0	1	2	3	TOTAL
1	0.4	2.8	—	—	3.2
2	2.2	17.6	52.1	—	71.9
3 (or more)	0.1	1.4	8.4	15.0	24.9
TOTAL	2.7	21.8	60.5	15.0	100.0

⁽¹⁾ The runs used are a sample of the total ambulance runs for 1976 and 1977.

SOURCE: Massachusetts Department of Public Health
Mass. Ambulance Run Reporting System (MARRS)

FIGURE 26



HOSPITALIZATION AND MORTALITY FOR PREVENTABLE DISEASES

Preventable diseases are displayed in the following five tables. The first presents estimated discharges and actual deaths for selected conditions which are completely preventable by primary care or public health measures. The occurrence of a single completely preventable incident should provoke the question, "Why did it occur?" Nutritional deficiency conditions are the major causes of hospitalizations and deaths which are completely unnecessary. There have been an estimated 1246 hospitalizations for iron deficiency anemias and an actual 42 deaths for avitaminoses and other nutritional deficiencies in Massachusetts in 1976.

The second table focuses on preventable conditions which, although having several contributing factors, result principally from occupational, environmental, and lifestyle exposure. Smoking-related conditions account for the greatest number of discharges and deaths within this category in 1976. An estimated 3707 hospitalizations and 1146 actual deaths were caused by chronic bronchitis, emphysema, or chronic obstructive lung disease. Respiratory diseases are frequently caused by cigarette smoking. In addition, there were 2340 deaths and an estimated 3406 hospitalizations for lung cancer, a condition estimated by the National Cancer Institute to be 90% smoking-related.

Conditions for which deaths should be avoidable through proper treatment are presented in the third table. Acute respiratory infections, influenza, pneumonia and bronchitis deaths for those under 50 years of age caused 176 deaths. The second leading cause of avoidable death was cervical cancer, accounting for 132 deaths in Massachusetts in 1976.

The last two tables present conditions resulting in death and hospitalizations which should be preventable above certain levels. These tables do no more than display preliminary information on the incidence of hospitalization and death for these diagnoses in 1976, since "expected rates" for deaths and discharges have not yet been developed.

An explanation of the methodology used to develop the tables on preventable diseases will be found in the Glossary.

TABLE 132

PREVENTABLE CONDITIONS RESULTING FROM FAILURES IN PRIMARY CARE OR PUBLIC HEALTH IN MASSACHUSETTS, 1976

Disease or ¹ Condition	ICDA-Code	Total Actual Deaths 1976 ² .	Death Rate ³ Per 100,000	Total Estimated Discharges 1976 ⁴ .	Discharge Rate ³ Per 100,000
Iron Deficiency Anemias	280	5	.09	1246	21.42
Avitaminoses and Other Nutritional Deficiencies ⁵ .	260-269	42	.72	632	10.87
Acute Arthritis Due to Pyogenic Organisms ⁶ .	710	2	.03	354	6.09
Acute Osteomyelitis ⁷ .	720.0	0	0	94	1.62
Rubella	056	0	0	81	1.39
Whooping Cough	033	0	0	29	.50
Salmonella Infections with Food	003.0	1	.02	22	.38
Trichiniasis	124	0	0	18	.31
Complication of Syphilis	093-094	5	.09	15	.26
Diseases due to Rh Incompatibility	774.0-775.0	0	0	9	.15
Ascariasis	127.0	0	0	9	.15

PREVENTABLE CONDITIONS RESULTING FROM FAILURES IN PRIMARY CARE
OR PUBLIC HEALTH IN MASSACHUSETTS, 1976 (Continued)

Disease or ¹ Condition	ICDA-Code	Total Actual Deaths 1976 ² .	Death Rate ³ Per 100,000	Total Estimated Discharges 1976 ⁴ .	Discharge Rate ³ Per 100,000
Congenital Syphilis	090	0	0	7	.12
Measles	055	0	0	7	.12
Typhoid Fever	001	0	0	6	.10
Tuberculosis of Meninges and Central Nervous System	013	3	.05	4	.07
Cholera	000	0	0	3	.05
Acute Poliomyelitis	040-043	2	.03	1	.02
Diphtheria	032	0	0	1	.02
Tetanus	037	0	0	1	.02
Small Pox	050	0	0	1	.02
Psittacosis	073	0	0	1	.02
Yaws	102	0	0	1	.02
Botulism	005.1	0	0	0	0

PREVENTABLE CONDITIONS RESULTING FROM FAILURES IN PRIMARY CARE
OR PUBLIC HEALTH IN MASSACHUSETTS, 1976 (Continued)

Disease or ¹ Condition	ICDA-Code	Total Actual Deaths 1976 ² .	Death Rate ³ Per 100,000	Total Estimated Discharges 1976 ⁴ .	Discharge Rate ³ Per 100,000
Yellow Fever	060	0	0	0	0
Hypervitaminosis A, D	278.0-278.2	0	0	0	0
Endemic Goiter	240.0	0	0	0	0

¹ Conditions and comments in this and the following two tables are from revised Table A in the article by David J. Rutstein, et. al., "Measuring the Quality of Medical Care," *NEJM* 294: 582-588 (March 11), 1976. Conditions and Comments in the last two tables are from revised Table B in the Rutstein article.

² Source: Annual Report of Vital Statistics, DPH, 1976.

³ Rates Per 100,000 General Population: 1975 U.S. Census Bureau Estimate.

⁴ Total discharges are estimated from actual UIS discharges obtained from the MHA. UIS discharges constitute 68% of total Mass. discharges. See explanatory notes.

⁵ Disease, death preventable if not associated with neoplasia or malabsorption.

⁶ Disease, death preventable if secondary to pyogenic infections.

⁷ Disease, death preventable if secondary to pyogenic infections.

DEATHS AVOIDABLE BY PROPER TREATMENT MASSACHUSETTS, 1976

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000
Acute Respiratory Infections, Influenza, Pneumonia, & Bronchitis (< age 50)	460-466, 470-474, 480-486, & 490	176	3.03	18516	318.35
Malignant Neoplasm of Cervix Uteri	180	132	2.27	894	15.37
Malignant Neoplasm of Larynx	161	117	2.01	431	7.41
Tuberculosis	010-019	61	1.05	684	11.76
Avitaminoses and Nutritional Deficiencies	260-269	42	.72	632	10.87
Malignant Neoplasm of Skin	173	41	.70	868	14.92
Malignant Neoplasm of Dorsal & Ventral Surfaces, Borders & Tip of Tongue, Floor of Mouth, or Buccal Mucosa	141.1, 141.2, 141.3, 144 & 145.0	28	.48	112	1.93
Infections of Skin & Subcutaneous Tissue	680-686	17	.29	8291	142.55
Hernia of Abdominal Cavity (< Age 65)	550-553	11	.19	14429	248.08
Bacterial Meningitis (Pneumococcus, H Influenzae)	32.0, 320.1	10	.17	116	1.99

DEATHS AVOIDABLE BY PROPER TREATMENT MASSACHUSETTS, 1976 (Continued).

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000
Cholecystitis and/or Cholelithiasis (< Age 65)	574-575	9	.15	9622	165.44
Thyrotoxicosis	242	9	.15	516	8.87
Myxedema	244	9	.15	365	6.28
Asthma (< Age 50, Self-inhalation Therapy death)	493	6	.10	3397	58.41
Pernicious Anemia	281.0	6	.10	282	4.85
Malignant Neoplasm of Lip	140	5	.09	57	.98
Complications of Syphilis	093-094	5	.09	15	.26
Iron-Deficiency Anemias	280	5	.09	1246	21.42
Gonococcal Infections	098	4	.07	166	2.85
Tuberculosis of Meninges, Nervous System	013	3	.05	4	.07
Mastoiditis without Otitis Media	383	2	.03	100	1.72
Acute Arthritis Due to Pyogenic Organisms	710	2	.03	354	6.09
Chronic Osteomyelitis	720.1	2	.03	149	2.56

DEATHS AVOIDABLE BY PROPER TREATMENT MASSACHUSETTS, 1976 (Continued).

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000
Silicotuberculosis	010	1	.02	1	.02
Streptococcal Sore Throat and Scarlet Fever	034	0	0	362	6.22
Spotted Fevers	082.0	0	0	6	.10
Early Syphilis	091	0	0	7	.12
Folic Acid Deficiency Anemia	281.2	0	0	66	1.13
Vitamin B ₆ Deficiency Anemia	281.3	0	0	3	.05
Cretinism of Congenital Origin	243	0	0	3	.05
Other Vitamin B ₁₂ Deficiency Anemias	281.1	0	0	4	.07

The following preventable and treatable conditions from Rutstein's Table A are conditions for which there were no deaths and no discharges in Massachusetts in 1976: (020) Plague, (021) Tularemia, (022) Anthrax, (026) Rat Bite Fever, (080) Epidemic Louse-Borne Typhus, (081.0) Endemic Flea-Borne Typhus.

CONDITIONS RESULTING FROM OCCUPATIONAL, ENVIRONMENTAL AND LIFESTYLE EXPOSURES IN MASSACHUSETTS, 1976

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000	Comments
Chronic Bronchitis, Emphysema, or Chronic Obstructive Lung Disease	491, 492, & 519.3	1146	19.70	3707	63.74	Disease, death preventable if caused by cigarettes and other environmental risks
Malignant Neoplasm of Trachea, Bronchus, Lung	162	2340	40.23	3406	58.56	Disease, death preventable if caused by cigarette smoking, occupational exposure
Malignant Neoplasm of Bladder	188	285	4.90	2457	42.24	Disease, death preventable if caused by analine dyes and cigarette smoking
Malignant Neoplasm of Skin	173	41	.70	868	14.92	Disease, death preventable (other than melanoma) if caused by radiation and sun exposure
Malignant Neoplasm of Larynx	161	117	2.01	431	7.41	Disease, death preventable if caused by cigar or cigarette smoking
Other Eczema and Dermatitis	692	0	0	399	6.86	Disease, death preventable if caused by environmental and occupation exposure to specific agents
Myeloid Leukemia	205	169	2.91	385	6.62	Disease, death preventable if caused by radiation exposure
Aplastic Anemia	284	22	.38	263	4.52	Disease, death preventable if caused by benzene exposure, chloramphenicol
Pulmonary Heart Disease	426	26	.45	166	2.85	Disease, death preventable if caused by occupational and environmental exposure

CONDITIONS RESULTING FROM OCCUPATIONAL, ENVIRONMENTAL AND LIFESTYLE EXPOSURES
IN MASSACHUSETTS, 1976 (Continued)

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000	Comments
Malignant Neoplasm of Dorsal & Ventral Surfaces, Border & Tip of Tongue, Floor of Mouth, or Buccal Mucosa	141.1, 141.2, 141.3, 144 & 145.0	28	.48	112	1.93	Disease, death preventable if caused by tobacco smoking
Malignant Neoplasm of Lip	140	5	.09	57	.98	Disease, death preventable if caused by pipe smoking and sun exposure
All Pneumonoconioses	515-516	12	.21	54	.93	
Malignant Neoplasm of Pleura	163.0	12	.21	43	.74	Disease, death preventable if caused by asbestos exposure

CONDITIONS RELATING TO FAILURES IN MEDICAL CARE (IF ABOVE SPECIFIED RATES)¹

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000
Hypertensive Disease with Vascular Complications of Heart or Brain	410.0, 411.0, 413.0, 430.0, 431.0, 432.0, 433.0, 434.0, 435.0, 436.0, 438.0	1235	21.23	7169	123.26
Dental Caries	521.0	0	0	6328	108.80
Adverse Effects of Medical Agents	960-979	44	.76	4825	82.96
Complications of Surgical Procedure and Medical Care	997-999	43	.74	4234	72.80
Infectious Hepatitis Virus Type A	070	10	.17	693	11.92
Hemophilia	286.0	0	0	443	7.62
Malignant Neoplasm of Vagina	184.0	10	.17	54	.93
Bacillary Dysentery	004	0	0	43	.74
Serum Hepatitis Virus Type B and non-A, non-B	999.2	0	0	1	.02

¹Specified rates for "expected deaths" from these diseases or conditions have not yet been developed.

DEATHS AVOIDABLE BY PROPER TREATMENT (IF ABOVE SPECIFIED RATES)

Disease or Condition	ICDA-Code	Total Actual Deaths 1976	Death Rate Per 100,000	Total Estimated Discharges 1976	Discharge Rate Per 100,000	
Malignant Neoplasm of Large Intestine, Rectum	153-154	1822	31.33	4549	78.21	
Hypertensive Disease	400-404	470	8.08	5243	90.15	
Congenital Anomalies of Heart	746	98	1.68	282	4.85	
Hodgkin's Disease	201	65	1.12	553	9.51	Death avoidable by treatment if condition is lower stages of malignancy in young people
Diabetes Mellitus with coma or acidosis	250.0	54	.93	534	9.18	Death avoidable by proper treatment if hypoglycemic death due to overtreatment
Ulcer of Stomach or Duodenum (< Age 65)	531-532	44	.76	4366	75.07	
Epilepsy	345.1	7	.12	313	5.38	
Stenosis or atresia of pulmonary artery	747.3	4	.07	7	.12	
Food Poisoning (Bacterial)	005	2	.03	78	1.34	
Bacillary Dysentery	004	0	0	43	.74	
Malaria	084	0	0	21	.36	

The following conditions from Rutstein Table B were excluded because while a resulting disability is treatable, the discharge and/or the death is neither preventable nor treatable: (626) Disorders of Menstruation, (627) Menopausal symptoms, (635) Curvature of Spine.

卷之四

GLOSSARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

GLOSSARY

POPULATION AND VITAL STATISTICS

Population Terms

Health Service Area

In accordance with the National Health Planning and Resources Development Act of 1974 (P.L. 93-641), Massachusetts is divided into six Health Service Areas (HSA's) for the purpose of planning and developing health services. Each HSA encompasses both metropolitan and non-metropolitan areas and contains at least one center for the provision of highly specialized health services.

Estimated Age Distribution of Massachusetts Population

Many of the tables in the 1977 *Health Data Annual* present rates per 1,000 population (or higher units of population). It was felt that the 1970 U.S. Census data was too old to use for 1976 rates, but the 1975 Census Bureau population estimates for Massachusetts do not contain data on age distribution. Since traditionally population data in the *Health Data Annual* has been based on Census material, it was decided to calculate the age distributions by applying other projections to the 1975 Census Bureau estimates.

The University of Massachusetts published projections of populations by age and sex for Massachusetts towns in 1972. Since the time of these projections, there have been significant decreases in the fertility and mortality rates, with the result that the University of Massachusetts projections are too high for the young population and too low for the elderly population. Consequently, the Office of State Planning developed new projections for the state, but the estimates by town remain unfinished. What resulted was a state-wide correction factor for the University of Massachusetts projections, based on the ratio of Office of State Planning projections to University of Massachusetts projections for each age group by sex. The Division of Health Statistics took these revised projections and calculated the percentage represented by each age group by sex in the total projected 1975 population. These percentages were then applied to the 1975 Census Bureau estimate for each HSA subarea. For example: if males 0-4 years old represented 10% of the population in the revised University of Massachusetts/Office of State Planning projections, then 10% was taken of the U.S. Census estimate for a particular subarea. No calculations were done by town — each HSA subarea was calculated as a whole. Further information on the calculations may be obtained from the Division of Health Statistics.

Since this book has been readied for the printer, the Office of State Health Planning has published a new set of population projections which, pending approval, will be the official population projections used by the Department of Public Health. In future years, the *Health Data Annual* will use these new Office of State Health Planning projections. For further information, contact Saha Amarasingham or Robert Danley, Office of State Health Planning.

Vital Statistics Terms

Birth Weight

Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.

Cause of Death

The underlying condition which gives rise to a series of events leading to death. The code used for identifying cause of death is the *8th Revised Edition of the International Classification of Disease*, and the rules for applying the code are promulgated by the National Center for Health Statistics.

Immature Birth Weight

Weight at delivery of 2500 grams or less. Immaturity rather than prematurity is used. Prematurity refers to gestational age and is difficult to ascertain reliably.

Infant Death

Death of a person whose age is less than one year.

Live Birth

A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breaths or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Mature Birth Weight

Weight at delivery which equals or exceeds 2501 grams.

Neonatal Death

Death of a person whose age is less than 28 days.

Neonatal Mortality Rate

The number of deaths at less than 28 days of age divided by total resident live births and multiplied by 1,000.

Occurrence

The place where the event actually happened. In Massachusetts, place will be one of 351 towns/cities.

Residence

The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother. All vital events definitions refer to events occurring to residents of the Commonwealth regardless of place of occurrence. Residents from other states who have lived in Massachusetts for more than one year are considered residents of this state; former residents of Massachusetts who have been absent more than one year are no longer considered residents of this state.

HEALTH MANPOWER

Boards of Registration

The basic requirements for licensure contained in the profession profiles are intended only to convey an idea of what the health professionals do and some of their qualifications; they are not legal definitions nor are the requirements listed complete. More complete information is contained in the Massachusetts General Laws, Chapter 112.

The locations of the various Licensing Boards and the renewal dates for health profession licenses are as follows:

Profession	Licensing Board	Renewal Date as of 1976
Chiropractors	Board of Registration of Chiropractors Telephone: 727-3093	March 21 (Annual)
Dentists & Dental Hygienists	Board of Registration in Dentistry Telephone: 727-3067	March 31 (Annual)
Nurses (LPNs & RNs)	Board of Registration of Nursing Telephone: 727-3060	Birthdate (Biennial, Odd Years)
Nursing Home Administrators	Board of Registration of Nursing Home Administration Telephone: 727-3063	June 30 (Annual)
Optometrists	Board of Registration in Optometry Telephone: 727-3069	Jan. (Annual)
Physical Therapists	Board of Registration & Discipline in Medicine Telephone: 727-3086	Jan. 15 (Biennial, Even Years)
Physicians (Medical Doctors & Doctors of Osteopathy)	Board of Registration & Discipline in Medicine Telephone: 727-3086	Jan. 15 (Biennial, Even Years)

Pharmacists	Board of Registration in Pharmacy Telephone: 727-3084	Dec. 31 (Biennial, Even Years)
Podiatrists	Board of Registration in Podiatry Telephone: 727-3069	Dec. 31 (Annual)
Psychologists	Board of Registration of Psychologists Telephone: 727-8108	June 1 (Annual)
Veterinarians	Board of Registration in Veterinary Medicine Telephone: 727-3071	Feb. 28 (Annual)

The Board of Approval and Certification of Physician Assistants Programs is located at:

80 Boylston St.
Room 935
Boston, Mass. 02116
Telephone: 727-7623

All other Boards are located at:

Division of Registration
(Name of Board)
Leverett Saltonstall Bldg., 15th Floor
Government Center
100 Cambridge St.
Boston, Mass. 02202

Density Rank Order of Subareas

The rank of 1 for any subarea means that it has the highest ratio of a particular health profession per 100,000 population than any other subarea. A rank of 26 means that a subarea has the lowest ratio of a particular health profession per 100,000 of its population.

Estimate Active Health Professionals

For any given HSA subarea, the formula for determining the number of estimated active professionals in any health field is as follows:

Number Estimated Active =

$$\text{Number Reported Active} + \left(\frac{\# \text{ Reported Active}}{\# \text{ Reported Active or Inactive}} \times (\# \text{ with Activity Not Reported}) \right)$$

Number of Physicians

The test of the 1976 *Health Data Annual* referred to 14,247 physicians licensed as of December, 1976, of which 12,662 were either living or practicing in Massachusetts. Both of these figures included not only physicians who were newly licensed in 1976, on whom only names and addresses were available, but also 46 physicians who renewed their licenses too late to be included in the tables. All tables in the 1976 edition were based on the 11,283 physicians (including Federal employees) who renewed their license by June 30, 1976 and reported themselves as actively practicing in Massachusetts.

The first table in the 1977 edition shows that there were 12,503 physicians who renewed their license in 1976 (this excludes the 1,744 physicians who received their original license in 1976). All subsequent tables are based on the 10,958 *Non-Federal* physicians who renewed their licenses in 1976 and reported themselves as actively practicing in Massachusetts. The difference between the 10,958 of this year and the 11,283 in 1976 is that the 1977 figure excludes all Federal employees but includes any of the 46 late-renewing physicians who practiced in Massachusetts and were not Federal employees.

Registered Nurses Active in Nursing

This group includes Registered Nurses who reported themselves as working in nursing or actively seeking employment in nursing.

Registered Nurses in the Potential Work Force

This group includes Registered Nurses who reported themselves as working in nursing plus those who were not working regardless of whether they sought employment or not.

Response Rates to Activity Status Question

The percentages of those in each profession who responded to the question on activity status is as follows:

Chiropractors	98.3%
Dental Hygienists	84.9%
Dentists	87.6%
Nursing Home Administrators	57.8%
Optometrists	96.0%
Pharmacists	70.7%
Physical Therapists	91.6%
Physicians	99.9%
Podiatrists	97.0%
Psychologists	99.0%
Registered Nurses	93.9%
Veterinarians	95.3%

HEALTH RESOURCES AND THEIR UTILIZATION

Acute Hospital Terms

Acute Hospital (Short-Term)

A facility providing general and specialized medical and/or surgical care to inpatients and where 50% or more of the patients stay less than thirty (30) days.

Intensive Care Unit (ICU)

A hospital unit in which special equipment and skilled personnel are concentrated for the care of seriously ill patients requiring immediate and continuous attention. In addition to general purpose ICU's hospitals may have specialty units for the intensive care of coronary patients, pediatric patients, newborn, etc.

Maternity Unit

Beds assigned for regular use by inpatients admitted for obstetric or obstetric-related care, and in some instances, for gynecological care. Data for this unit excludes bassinets and newborn statistics.

Pediatric or Child Unit

Beds assigned for regular use by inpatients, excluding newborn, who fall below an age level specified by the hospital (usually 13 or 14 years) and which are maintained as a separate and distinct unit. Cribs and/or bassinets maintained for other than newborn infants are included.

Psychiatric Unit

Beds assigned for regular use by inpatients who have been admitted or transferred for the treatment and/or prevention of mental illness.

Rehabilitation Unit

Beds assigned for regular use by inpatients who have been admitted or transferred for restoration of normal form and function after injury or illness. In the case of an ill or injured patient the goal is restoration to self-sufficiency or suitable gainful employment in the shortest possible time.

Chronic and Rehabilitation Hospital Terms

Chronic and Rehabilitation Hospital (Long-Term)

A facility providing skilled nursing and rehabilitative services to post-acute or chronically ill patients and where 50% or more of the patients stay thirty (30) days or more. These patients usually require a greater concentration of equipment, services and skilled personnel than can be provided in a Level I/II Skilled Nursing Facility.

Psychiatric Hospital Terms

Psychiatric Hospital

A hospital with its own governing body, its own administration and its own staff and having as its primary function the diagnosis, treatment and rehabilitation of the psychiatrically ill, and in which there are psychiatrists or other physicians who assume clinical responsibility for all patients with a primary diagnosis of psychiatric disorder. Includes those facilities which treat mild nervous disorders and are licensed by the Department of Public Health.

Nursing and Rest Home Terms

Nursing Home

Includes the following license categories: "convalescent and nursing homes," "town infirmaries," except infirmaries classified solely to provide residential care; and "charitable homes for the aged." "Nursing homes" may be classified to provide skilled nursing care, intermediate care, residential care or a combination thereof.

Rest Home

Includes the following license categories: "rest homes," "town infirmaries" classified solely to provide residential care. "Rest homes" may provide only residential care.

Skilled Nursing Care (SNF, Level I/II)

Skilled nursing care and related or rehabilitation services provided to inpatients who require such care and services. When used in conjunction with word "facility" refers to entire facility or portions thereof used for skilled nursing care.

Intermediate Care (ICF, Level III)

Health-related care and services provided on a regular basis to individuals who do not require the degree of care and treatment which a hospital or skilled nursing facility is designed to provide, but who because of their mental or physical condition require care and services above the level of room and board which can be made available to them only through institutional facilities. When used in conjunction with the word "facility" refers to entire facility or portions thereof used for intermediate care.

Rest Home Care (RH Level IV)

Protective supervision and care incident to old age provided to residents who do not routinely require nursing care and other health-related services. When used in conjunction with word "Facility" refers to entire facility or portion thereof used for residential care.

Ambulatory Care (Outpatient) Facility Terms

An ambulatory care facility must have a location or site at which at least one of the following services is dispensed to clients who do not reside in the facility: medical services; dental services; mental health services; counseling services or rehabilitation services. The facility must provide services on an "outpatient" or an "outclient" basis and must have a staff which includes at least one of the following health professionals: physician (M.D. or D.O.); nurse; dentist; speech, hearing, physical or inhalation therapist; nutritionist; podiatrist; optometrist; medical technologist; psychologist; psychiatric social worker; M.S.W. social worker or an individual with at least an M.A. in counseling. The following facilities, unless holders of a clinic license, are not included as ambulatory care facilities: individual practitioners; proprietary group practices; school clinics or infirmaries; hospital outpatient departments; boards of health or industrial clinics.

Induced Abortion Terms

Dilation and curettage

The cervix is dilated and the contents of the uterus are removed using a curette and ovum forceps.

Gestation

The period of development of the fetus.

Hysterectomy

Removal of the uterus.

Hysterotomy

Abdominal hysterotomy — Cesarean section.

Vaginal hysterotomy — An incision is made into the uterus and the products of conception are removed.

Intra-Uterine Saline Instillation

Part of the amniotic fluid is withdrawn through a needle injected through the abdominal and uterine wall (or cervical wall if done vaginally) and replaced with hypertonic saline. The fetus is expelled 10 to 72 hours later.

Intra-Uterine Prostaglandin Instillation

Similar to Saline method except that Prostaglandin is used for the abortifacient agent. Labor is induced in 3 to 24 hours.

Intra-Uterine Prosta-Saline Instillation

The Prostaglandin is injected first and is followed by a saline injection.

Suction Curettage

(Uterine vacuum aspiration) — The cervix is dilated and the products of conception are aspirated from the uterus via a cannula with a flexible connection to a suction pump. A curette or ovum forceps may be used to help remove remnants.

Trimester

A period of three months.

First Trimester

An L.M.P. of 15 weeks or less and/or a uterine size less than or equal to 13 weeks.

Residential Care Facility Terms

Residential Care Facility

Includes any facility with a physical plant and one or more living units wherein three or more unrelated persons reside and receive support services with the goal of education, maintenance and/or rehabilitation. Residents must have special problems that are being cared for or treated by the facility.

Residential School or Treatment Center

A specialized residential setting providing elements of education, care, treatment and/or rehabilitation to those with special needs. Residents may be children or adults.

Detoxification Center

A residential facility whose purpose is to detoxify through care and treatment diagnosed alcoholics or drug abusers. A client's length of stay is always short-term.

Halfway House

A residential facility providing transitional care but not treatment to persons in an after-care or post-hospitalization status with emphasis on social rehabilitation toward the goal of returning to or achieving independent living. Maximum length of stay is often stipulated and is usually not more than one year.

Group Home or Residence

A residential facility providing care and supervision in a supportive environment to those desiring an alternative to a less supportive living environment. Professional visits for health maintenance may occur, and length of stay in these residences may be long.

Sheltered Housing

Single or multiple unit housing for those who have special health-related disabilities or conditions which may affect their ease of living in a totally independent environment. A staff of health professionals may be present on location or adjacent to such housing, and often the physical plant is specifically designed to accommodate the residents' special needs, e.g. ramps instead of stairs.

Home Health Agency Terms

Home Health Agency

An agency organized to provide health services in the patient's home, other residential setting or the agency office. The service consists primarily of skilled nursing services and other therapeutic services, and agencies are staffed by skilled nursing personnel and therapeutic personnel such as physical, speech or occupational therapists, social workers and occasionally other specialists.

Home Health Aide

Applies specifically to a person performing designated personal care functions under the supervision of a nurse.

Utilization Terms

Average Daily Census

The "average" number of inpatients maintained in a facility each day for a given period of time. Computed by taking the total number of patient days of care rendered throughout the period (the sum of daily censuses) and dividing by the total number of days in the reporting period.

Average Length of Stay

The "average" number of days of service rendered to each inpatient discharged during a given period. Computed by taking the total number of patient days of care (excluding newborn) rendered to patients discharged during the period and dividing by the total number of inpatients discharged (including deaths) during the period.

Licensed Beds

The number of beds a facility is licensed to operate by a licensing authority.

Mean Operating Beds

The sum of the daily operating bed capacities divided by the number of days in the reporting period (usually 365).

Operating Beds

The number of beds staffed and prepared to receive inpatients.

Occupancy Rate

The ratio of actual patient days to the maximum possible patient days as determined by bed capacity for a given period of time. Computed by taking the actual number of patient days rendered to inpatients and dividing by the number of patient days which would have been provided if every bed in the facility had been occupied each day throughout the period. In cases where bed occupancy changes during the reporting period the mean operating bed capacity for the entire period is used to compute occupancy rate.

Patient Day

The unit of measure denoting lodging facilities provided and services rendered to one inpatient between the census-taking hour on two successive days. The day of discharge is counted as a patient day ONLY when the patient was admitted and discharged on the same day.

Patient Days (Census Basis) vs. Patient Days (Discharge Basis)

The two types of patient days differ in terms of the period of time used in their recording. For example: Hospital A has a reporting period of January 1 through December 31, 1976. John Smith was admitted as an inpatient on December 1, 1975 and discharged on January 15, 1976. On a discharge basis Mr. Smith represents 45 patient days of care. On a census basis however Mr. Smith would account for only 14 days (January 1 through January 14.)

For facilities treating primarily acute cases the results of computations involving patient days (such as Average Length of Stay) will vary little regardless of the type of patient day used. For long-term facilities however the following patient days must be used in order to avoid distortion:

Average Daily Census — Census Days
Average Length of Stay — Discharge Days
Occupancy Rate — Census Days

Staff Equivalents (Full-Time)

The total number of part-time hours worked by employees of a given facility during an average week divided by the number of hours constituting a full-time week (usually 37.5) and added to the number of full-time employees.

Visits (Ambulatory Care)

The number of times that individual "cases" received outpatient services at a given clinic or outpatient department during the most recently completed fiscal year.

HEALTH FINANCING

Massachusetts Funds Flow Project

The Massachusetts Funds Flow Project is an ongoing effort of the Office of State Health Planning with the assistance of other state agencies to describe and analyze health expenditures in the Commonwealth. The Funds Flow reports are tabulations of health expenditures by source and type of expenditure, initially for fiscal years 1973 to 1976. They compare relative magnitudes and trends among categories of health expenditures, and compare Massachusetts health expenditures with national levels.

In order to facilitate the comparison between Massachusetts and national health expenditures, the Funds Flow seeks to follow the same definitions and classifications used over the past decade by the Office of Research and Statistics of the U.S. Social Security Administration in the national health expenditure reports. The Funds Flow reports are descriptions. They are not evaluations of all health programs in the state, simulation or econometric models, or program analyses of alternative ways of meeting specific health needs. They are, hopefully, a source of information and a common frame of reference on which further analysis can build.

Sources for Economic and Finance Data

The tables in the Health Financing section are taken from "Trends in Massachusetts Health Expenditures; A Preliminary Report of the Massachusetts Funds Flow Project," by Donald S. Shepard, Ph.D., and Anestis J. Ghanotakis, M.A., of the Office of State Health Planning. The report was compiled with the help of the Division of Health Statistics. For information on methodologies, definitions and sources, contact the authors. Overall sources are listed below.

The most important sources used for the report were:

Gibson, Robert M., and Mueller, Marjorie Smith: National Health Expenditures, 1975. *Social Security Bulletin* 39(2):7, February, 1976.

Gibson, Robert M., and Mueller, Marjorie Smith: National Health Expenditures, 1976. *Social Security Bulletin* 40(4):5, April, 1977.

The source for national population counts (to derive per capita amounts) and gross national and state products is:

U.S. Bureau of the Census, *Statistical Abstract of the United States, 1976*. Washington, D.C.: Government Printing Office, 1977.

Massachusetts populations are estimates of the Office of State Health Planning.

State government health expenditures and revenues come primarily from:

Executive Budget Recommendations of the Commonwealth of Massachusetts (Governor's budget, House Bill No. 1), for Fiscal Years 1975 through 1978.

Comptroller's Division, Executive Office of Administration and Finance, Commonwealth of Massachusetts, *Financial Reports*, Fiscal Years 1973 through 1976.

The one additional source, beyond the Funds Flow Project, is that expenditure tabulations by HSA of hospitals and nursing homes are based on reports to the Division of Health Statistics, Office of State Health Planning.

PREVENTIVE MEDICINE

Kindergarten Immunization

Kindergarten immunization in Massachusetts covers the following diseases: diphtheria, tetanus, pertussis, measles, and polio. Pending hearings by the Public Health Council, immunization for mumps and rubella will be added to the regulations effective September 1, 1979. On September 1, 1980, these immunization requirements would also apply to first graders.

Lead Poisoning Testing

The "EP Test" refers to testing for the level of Erythrocyte Protoporphrin in the blood. An elevated level of EP usually leads to the administration of a Pb test to the patient, since a high EP level can mean either lead poisoning or anemia. A low Pb score and a high EP score indicates anemia. A high score on both tests means the patient is lead-poisoned.

The "Pb Test" refers to testing for the level of lead content in the blood. "Pb" is the chemical symbol for lead.

Preventable Diseases and Conditions Terms

All tables in this section are adapted from the principles contained in David Rutstein, M.D., et. al., "Measuring the Quality of Medical Care," *New England Journal of Medicine* 294: 582-588, March 11, 1976. Condition groupings were developed by Richard Phillips of the Department of Health, Education and Welfare's Region I Office.

Hospital Discharge Information

The source for hospital discharge information is the Massachusetts Hospital Association publication *Length of Stay in Massachusetts by Diagnosis and Operations, 1976*. This UIS discharge data represents 90 hospitals, distributed throughout the State accounting for 70% of all acute hospitals and 68% of all acute discharges. In addition, approximately 95% of the discharges from these hospitals were to Massachusetts residents. Seven of the fourteen teaching hospitals (Faulkner, Boston City, New England Deaconess, Boston Hospital for Women, Peter Bent Brigham, Robert Bent Brigham, and St. Elizabeth's) participated in UIS at the time of the study, although other non-UIS specialty hospitals (Children's Hospital Medical Center, Massachusetts Eye and Ear Infirmary, and Massachusetts General, for example) were not included in the MHA publication. Thus, estimated discharge totals presented here for eye, ear or children's diseases or for any chronic condition will not be accurately reflected.

UIS discharges divided by .68 constituted the estimate of statewide discharges for Rutstein conditions because UIS hospital discharges comprised 68% of total discharges from nonfederal short-stay hospitals. Excluded from the total were the following hospitals classified as acute hospitals by the Massachusetts Department of Public Health: E.K. Shriver, Boston V.A., Shriners Burns Institute, Cutler Army, L.F. Quigley, Lemuel Shattuck, United States Public Health, West Roxbury V.A., Raymond. In addition, newborns, transfers, deaths, and lengths of stay over 100 days were excluded from total discharges. Thus,

$$\frac{1976 \text{ UIS discharges}}{1976 \text{ Statewide discharges}} = \frac{539,006}{800,368} .68$$

Numerator: 527,665 UIS discharges excluding newborns, transfers, deaths, lengths of stay over 100 days
11,341 UIS discharges omitted because of timing problems at the end of 1976 in certain hospitals
539,006 Total UIS discharges (Source: MHA, *Length of Stay 1976*)

Denominator: 800,368 Total statewide acute hospital discharges excluding newborns, transfers, deaths, lengths of stay over 100 days, and military or non-acute hospitals (Source: DPH, Annual Hospital Statistical Report).

Discharge and death rates are calculated using the total statewide population throughout these tables for age and sex specific conditions, e.g., no adjustments were made.

Because this hospital utilization information is by primary hospital discharge diagnosis only, some occurrences of Rutstein conditions are omitted, i.e.: those which are secondary diagnosis. Moreover, this provides only a rough approximation, due to lack of ambulatory setting data, of the incidence of these conditions in Massachusetts as a whole.

The 1977 Health Data Annual was produced by the Division of Health Statistics, Office of State Health Planning, with the cooperation of many other Divisions of the Department of Public Health. The following people had primary responsibility for collecting and organizing the data:

Editorial

Pamela Lowry, Editor
Jacob Getson, Director, Office of State Health Planning
Milton Kotelchuck, Director, Division of Health Statistics
Elliot Stone, Former Director, Division of Health Statistics

Population and Vital Statistics

Nancy Shaughnessy, Saha Amarasingham, Robert Danley

Health Manpower

Robert Beattie, Marjorie MacEvitt

Health Facilities

Elaine Trudeau, Unit Coordinator; Ruth Lawson, Hospitals; Merrill Hudson, Ambulatory Care; Betty Gardner, Induced Abortions; Kay Cleary, Nursing and Rest Homes; Maureen DiPietro, Residential Care; Elaine Kirschenbaum, Home Health Agencies

Health Financing

Donald Shepard, Anestis Ghanotakis, Jean Sullivan

Preventive Medicine

Cynthia Burghard, Anna Friedman, Kathy Silberthal

Coding

Susan Thomas, Regina Kenney, Annie Hobbes, Kay Duncan, Herbert Keough

Computer Programming

Ken Lang, Connie Silvernail, and programmers from the Department's Data Processing Unit

Illustrations

Betty Gardner

Proofreading and Typing

Russell Bulman, Sandra Jones, Michael Attridge, Olga Schine, Susan Lambias, Sandra Tanner, Marie MacMillan

Printing

Blue Cross of Massachusetts

9073 008

ACME
BOOKBINDING CO., INC.

JAN 9 1986

300 CHAMBERIDGE STREET
CHARLESTOWN, MASS

